

Gov. Doc  
Can  
S

Canada. Statistics, Dom. Bureau of  
Employment and Payroll Statistics Branch

(DEPARTMENT OF RECONSTRUCTION AND SUPPLY)

(ECONOMIC RESEARCH BRANCH)



3 1761 12062435 8

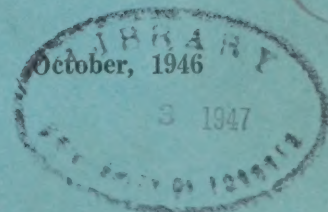
CHART BOOK  
OF  
EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

Employment : 1939 - August 1, 1946

Payrolls : 1941 - August 1, 1946

BASED ON DATA SUPPLIED BY THE  
EMPLOYMENT AND PAYROLL STATISTICS  
BRANCH OF THE DOMINION BUREAU OF STATISTICS.

Ottawa, Canada









*Canada - Statistics Dominion Bureau of  
Employment Statistics Branch.*

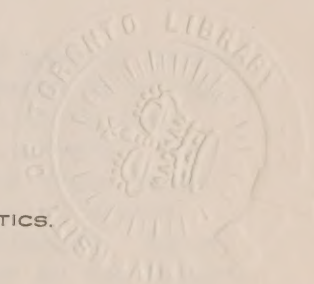
(DEPARTMENT OF RECONSTRUCTION AND SUPPLY  
ECONOMIC RESEARCH BRANCH)

CHART BOOK  
OF  
EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

Employment : 1939 - August 1, 1946  
Payrolls : 1941 - August 1, 1946

BASED ON DATA SUPPLIED BY THE  
EMPLOYMENT AND PAYROLL STATISTICS  
BRANCH OF THE DOMINION BUREAU OF STATISTICS.

PLEASE CONSULT SOURCE  
BEFORE REPRODUCING



*469641 -  
31.12.47*

DEPARTMENT OF INDUSTRY AND COMMERCE  
ECONOMIC DEVELOPMENT BRANCH

# CHART BOOK

OF

## EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

Expenditure 1953 - 1954  
1954 - 1955



THIS BOOK IS A SUMMARY OF THE  
STATISTICS OF EMPLOYMENT AND  
PAYROLLS IN CANADIAN INDUSTRIES  
FOR THE YEAR 1954.

THESE STATISTICS WERE  
OBTAINED FROM THE  
STATISTICS OF EMPLOYMENT AND  
PAYROLLS IN CANADIAN INDUSTRIES  
FOR THE YEAR 1954.



111

## CHART BOOK

### OF

## EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

### FOREWORD

With the first post-war year over and the physical reconversion of industry in its final phase, it is of particular interest to review Canadian employment trends in the past seven years and to take stock of our present position.

The war years witnessed a remarkable expansion of employment in the industries most necessary to our national defence. At the same time employment in all but a few of the lower priority non-agricultural industries also moved upward, but at a much more moderate rate. While few of the manufacturing industries, which were most heavily engaged in war production have been able to maintain war-time employment levels in the past year their success in switching over to peacetime output differed widely from industry to industry. The less essential manufacturing and non-manufacturing industries have generally improved their position in the post-war period despite continued but less acute labour and material shortages.

This volume contains a series of employment and payroll charts covering principal Canadian industries and areas. It should be of value in giving a picture of the differing performances of the major non-agricultural industries during the war and reconversion periods. The charts were originally prepared by the Wartime Prices and Trade Board for the use of its senior officials with a limited number of copies also made available to interested persons in other Departments. Early this summer, the preparation of the series was taken over by the Department of Reconstruction and Supply. Now that reconversion is in an advanced stage arrangements are being made for the work to be taken over by the Dominion Bureau of Statistics, the source of the basic data. The current series is therefore the last to be prepared by the Department of Reconstruction and Supply.

The chart book includes a new and complete set of employment and payroll charts of the former Wartime Prices and Trade Board Series using data compiled by the Dominion Bureau of Statistics. These charts cover the period 1939 to August 1st, 1946 in the case of employment and 1941 to August 1st, 1946 in the case of payrolls. Monthly index numbers based on June 1st, 1941 and centered twelve months' moving averages have been charted for both employment and payrolls. Charts are provided for the five major geographic regions, the eight largest urban centers and for the eight major industries. They are also provided for twelve major groups of durable and non-durable manufacturing goods industries and sixty-two minor groups.





✓

For convenient reference there is included at the front of the report a table indicating the position of reported employment on the latest available date, August 1st, 1946, relative to the prewar level of August 1st, 1939, the near war-time peak level of August 1st, 1943 and the immediate pre-V-J Day level of August 1st, 1945. Numbers on August 1st, 1946 are also shown. During the summer months the heavy incidence of strikes involving about fifty thousand workers on the average and affecting the employment of many others did unfortunately introduce temporary abnormalities which have prevented entirely satisfactory comparisons from being made in a number of industries and areas.

The charts and the table record the trend of employment reported by establishments employing fifteen or more. This means that while coverage is very high in manufacturing (85-90%), mining (80% or more), communication and transportation (about 80%), it is only moderate in logging (about 60%), and trade (about 50%), and partially covers only a few branches of the service industries. No coverage of agricultural workers, of employers, or of the self-employed groups is obtained. During the war, the labour forces of most of the latter groups either declined or achieved only less than average expansion. Their limited coverage should be borne in mind when the "Canada", regional and principal city all-industry charts are used. In most instances the actual wartime expansion and post-war contraction of these groups were considerably less than indicated. The charts of the individual industries, however, closely portray their employment trend in the past seven years.

The source of all data basic to these charts are the records of the Employment and Payroll Statistics Branch of the Dominion Bureau of Statistics and we are greatly indebted to Miss M.E.K. Roughsedge and her staff for their unstinted co-operation throughout the preparation of these statistics. We also wish to acknowledge the assistance of the Printing Branch of the Bureau in reproducing the enclosed charts.

This series of charts was prepared until recently by Miss A. Zamphir, Miss E.R. Macdonald and Miss H. Esson under the direction of Mr. L. Sherwood of the Research Division of the Wartime Prices and Trade Board. The last two reports have been prepared by Mr. F.E. Coghlan under the direction of Mr. D.M. McDonald of the Economic Research Branch of the Department of Reconstruction and Supply.

The convenient definition of the term "radio" is not a matter of course. It is a term which has been used in many different ways. In the early days of the radio, it was used to refer to the apparatus which transmitted and received radio waves. But as the science of radio developed, the term came to be used in a much broader sense. It now includes not only the apparatus, but also the waves themselves, and the science of their propagation. In this sense, the term "radio" is used in the title of this book.

The purpose of this book is to provide a comprehensive survey of the subject of radio. It is intended for the use of students and teachers in schools and colleges. It is also intended for the general reader who is interested in the subject. The book is divided into two main parts. The first part deals with the theory of radio, and the second part deals with the practice of radio. The first part is divided into three chapters. The first chapter deals with the nature of radio waves, the second with the propagation of radio waves, and the third with the reception of radio waves. The second part is divided into two chapters. The first chapter deals with the construction and operation of radio apparatus, and the second with the use of radio in communication.

The course of study in radio is a broad one. It includes not only the theory of radio, but also the practice of radio. It includes not only the construction and operation of radio apparatus, but also the use of radio in communication. It includes not only the study of radio waves, but also the study of the propagation of radio waves. It includes not only the study of the reception of radio waves, but also the study of the transmission of radio waves. It includes not only the study of the nature of radio waves, but also the study of the science of radio.

This is a book which is intended for the use of students and teachers in schools and colleges. It is also intended for the general reader who is interested in the subject. The book is divided into two main parts. The first part deals with the theory of radio, and the second part deals with the practice of radio. The first part is divided into three chapters. The first chapter deals with the nature of radio waves, the second with the propagation of radio waves, and the third with the reception of radio waves. The second part is divided into two chapters. The first chapter deals with the construction and operation of radio apparatus, and the second with the use of radio in communication.



✓ 11

CHART BOOK

OF

EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

ARRANGEMENT OF CHARTS

CHART NOS.

SECTION 1. EIGHT MAJOR INDUSTRIES

A. TOTAL BY AREAS

1. Canada

B-1

2. Economic Regions

B-2 & 3

3. Principal Cities

B-4-6

B. INDIVIDUAL MAJOR INDUSTRIES

B-7-10

SECTION 11. MANUFACTURING INDUSTRIES

A. TOTAL - NON-DURABLE & DURABLE GOODS

B-11

B. MAJOR GROUPS

1. Non-Durable Goods

B-13 & 14

2. Durable Goods

B-15 & 16

C. MINOR GROUPS

1. Non-Durable Goods

B-17-24

B-25-28

B-35 & 40

2. Durable Goods

B-25-26

B-29-34

B-36-39

EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

MANUFACTURING INDUSTRIES

CHART 1001

Section 1. Manufacturing Industries

1. Total by Area

8-11	1. Central
8-12	2. Intermediate
8-13	3. Principal
8-14	4. Industrial

Section 2. Manufacturing Industries

1. Total - Non-Manufacturing Industries

8-11	1. Non-Manufacturing Industries
8-12	2. Manufacturing Industries
8-13	3. Non-Manufacturing Industries
8-14	4. Manufacturing Industries
8-15	5. Non-Manufacturing Industries
8-16	6. Manufacturing Industries
8-17	7. Non-Manufacturing Industries
8-18	8. Manufacturing Industries
8-19	9. Non-Manufacturing Industries
8-20	10. Manufacturing Industries
8-21	11. Non-Manufacturing Industries
8-22	12. Manufacturing Industries
8-23	13. Non-Manufacturing Industries
8-24	14. Manufacturing Industries
8-25	15. Non-Manufacturing Industries
8-26	16. Manufacturing Industries
8-27	17. Non-Manufacturing Industries
8-28	18. Manufacturing Industries
8-29	19. Non-Manufacturing Industries
8-30	20. Manufacturing Industries
8-31	21. Non-Manufacturing Industries
8-32	22. Manufacturing Industries
8-33	23. Non-Manufacturing Industries
8-34	24. Manufacturing Industries
8-35	25. Non-Manufacturing Industries
8-36	26. Manufacturing Industries
8-37	27. Non-Manufacturing Industries
8-38	28. Manufacturing Industries
8-39	29. Non-Manufacturing Industries
8-40	30. Manufacturing Industries
8-41	31. Non-Manufacturing Industries
8-42	32. Manufacturing Industries
8-43	33. Non-Manufacturing Industries
8-44	34. Manufacturing Industries
8-45	35. Non-Manufacturing Industries
8-46	36. Manufacturing Industries
8-47	37. Non-Manufacturing Industries
8-48	38. Manufacturing Industries
8-49	39. Non-Manufacturing Industries
8-50	40. Manufacturing Industries
8-51	41. Non-Manufacturing Industries
8-52	42. Manufacturing Industries
8-53	43. Non-Manufacturing Industries
8-54	44. Manufacturing Industries
8-55	45. Non-Manufacturing Industries
8-56	46. Manufacturing Industries
8-57	47. Non-Manufacturing Industries
8-58	48. Manufacturing Industries
8-59	49. Non-Manufacturing Industries
8-60	50. Manufacturing Industries
8-61	51. Non-Manufacturing Industries
8-62	52. Manufacturing Industries
8-63	53. Non-Manufacturing Industries
8-64	54. Manufacturing Industries
8-65	55. Non-Manufacturing Industries
8-66	56. Manufacturing Industries
8-67	57. Non-Manufacturing Industries
8-68	58. Manufacturing Industries
8-69	59. Non-Manufacturing Industries
8-70	60. Manufacturing Industries
8-71	61. Non-Manufacturing Industries
8-72	62. Manufacturing Industries
8-73	63. Non-Manufacturing Industries
8-74	64. Manufacturing Industries
8-75	65. Non-Manufacturing Industries
8-76	66. Manufacturing Industries
8-77	67. Non-Manufacturing Industries
8-78	68. Manufacturing Industries
8-79	69. Non-Manufacturing Industries
8-80	70. Manufacturing Industries
8-81	71. Non-Manufacturing Industries
8-82	72. Manufacturing Industries
8-83	73. Non-Manufacturing Industries
8-84	74. Manufacturing Industries
8-85	75. Non-Manufacturing Industries
8-86	76. Manufacturing Industries
8-87	77. Non-Manufacturing Industries
8-88	78. Manufacturing Industries
8-89	79. Non-Manufacturing Industries
8-90	80. Manufacturing Industries
8-91	81. Non-Manufacturing Industries
8-92	82. Manufacturing Industries
8-93	83. Non-Manufacturing Industries
8-94	84. Manufacturing Industries
8-95	85. Non-Manufacturing Industries
8-96	86. Manufacturing Industries
8-97	87. Non-Manufacturing Industries
8-98	88. Manufacturing Industries
8-99	89. Non-Manufacturing Industries
8-100	90. Manufacturing Industries



# A COMPARISON OF REPORTED EMPLOYMENT IN MAJOR CANADIAN REGIONS

## AND INDUSTRIES\* ON AUGUST 1, 1946

with:

1. PREWAR LEVEL - AUGUST 1, 1939;
2. PEAK WAR-YEAR LEVEL - AUGUST 1, 1943;
3. PRE-V-J DAY LEVEL - AUGUST 1, 1945.

	Reported Employment Aug.1/46  (000's)	Reported Employment on August 1, 1946 Compared with August 1:			See Chart Number
		1939	1943	1945	
		%	%	%	
<u>SECTION I - EIGHT MAJOR INDUSTRIES</u>					
A. TOTAL BY AREAS					
1. <u>Canada</u>	1,765.1	+ 47.1	- 7.1	- 1.4	B-1
2. <u>Economic Regions</u>					
Ontario	725.8	+ 53.8	- 5.1	- 1.7	B-2
Quebec	528.7	+ 39.9	- 11.9	- 0.1	"
British Columbia	159.4	+ 45.1	- 13.3	- 5.8	B-3
Prairies	221.4	+ 47.2	+ 11.1	+ 9.2	"
Maritimes	129.8	+ 45.6	- 13.5	- 4.5	"
3. <u>Principal Cities</u>					
Montreal	263.1	+ 56.2	- 10.9	- 2.1	B-4
Quebec	25.1	+ 35.1	- 38.1	- 22.7	"
Toronto	232.1	+ 60.7	- 9.1	- 3.4	B-5
Hamilton	48.1	+ 42.5	- 20.2	- 16.1	" **
Windsor	32.7	+111.3	- 22.9	- 11.5	" **
Ottawa	23.3	+ 59.4	+ 3.6	+ 10.7	B-6
Winnipeg	64.3	+ 57.1	+ 7.4	+ 8.3	"
Vancouver	70.5	+ 68.2	- 22.3	- 16.3	"
B. INDIVIDUAL MAJOR INDUSTRIES					
Mining	73.8	- 5.6	- 1.7	+ 7.9	B-7
Construction	189.7	+ 1.6	+ 3.1	+ 24.2	"
Manufacturing	966.2	+ 63.2	- 19.2	- 9.9	"
Communication	40.6	+ 72.8	+ 41.1	+ 24.1	B-8
Transportation	165.4	+ 48.2	+ 8.3	+ 1.0	"
Services	60.0	+ 57.5	+ 20.3	+ 11.7	"
Logging	56.7	+155.2	+ 37.7	+ 2.3	B-9
Trade	212.7	+ 40.3	+ 25.2	+ 10.9	"
Average Per Capita Weekly Earnings - Eight Industries					B-10

\* Excluding Agriculture.

\*\* Employment level at August 1, 1946 affected by major strikes.

...the ... of ...

[illegible][illegible][illegible]

60-70-80-90-100

$\frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$

[illegible][illegible][illegible]

*[Faint handwritten notes at the bottom of the page]*

[illegible]

000000  
 000000  
 000000  
 000000  
 000000  
 000000  
 000000

$\frac{d}{dt} \left( \frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

[illegible][illegible]

1. 1940年10月10日 星期一  
 2. 1940年10月11日 星期二

100

[illegible]



	Reported Employment Aug.1/46 (000's)	Reported Employment on August 1, 1946 Compared with August 1:			See Chart Number
		1939	1943	1945	
		%	%	%	
<u>SECTION II -- MANUFACTURING INDUSTRIES</u>					
A. TOTAL MANUFACTURING	942.0	+ 64.1	- 20.0	- 10.4	B-11
1. Total Non-Durable Goods	500.2	+ 45.5	0.0	- 0.2	"
2. Total Durable Goods	441.8	+ 91.2	- 34.5	- 19.6	"
B. MAJOR GROUPS					
1. <u>Non-Durable Goods</u>					
Processed Food	110.6	+ 47.4	+ 21.8	+ 6.4	B-13
Beverages & Tobacco	26.1	+ 44.0	+ 15.2	+ 7.7	"
Textiles	136.4	+ 35.1	- 0.1	+ 1.4	" *
Leather & Its Products	32.2	+ 35.8	+ 12.0	+ 10.7	"
Pulp & Paper Products	103.7	+ 49.3	+ 22.0	+ 12.8	B-14
Non-Metallic Minerals	16.1	+ 31.3	- 0.8	- 5.2	" *
Chemicals	40.6	+ 97.7	- 49.8	- 26.4	"
2. <u>Durable Goods</u>					
Lumber & Its Products	75.3	+ 47.2	+ 9.8	+ 5.9	B-16
Clay, Glass & Stone Products	20.1	+ 74.5	+ 30.0	+ 20.5	"
Electrical Apparatus Prods.	38.3	+ 98.4	- 16.3	- 9.1	" *
Non-Ferrous Metal Products	40.5	+ 82.7	- 42.5	- 15.9	B-15 *
Iron & Its Products	266.7	+113.9	- 43.1	- 27.9	" *
C. MINOR GROUPS					
1. <u>Non-Durable Goods</u>					
Edible Animal Products:					
Dairy Products	21.7	+ 58.1	+ 20.7	+ 4.5	B-17
Meat Products	10.0	+ 80.2	+ 29.1	+ 14.4	"
Fish Processing & Canning	18.5	+ 8.5	+ 38.8	+ 25.8	"
Edible Plant Products:					
Bread & Bakery Prods.	20.3	+ 35.1	+ 8.0	+ 3.0	B-18
Flour	9.4	+ 67.7	+ 26.5	+ 14.8	"
Fruit & Veg. Preserving	15.4	+ 63.8	+ 35.5	- 2.3	"
Confectionery:					
Sugar & Syrup	2.4	- 2.9	+ 11.2	- 1.2	B-19
Aerated Water	3.1	- 0.3	- 7.5	+ 9.9	"
Chocolate & Confectionery	6.0	+ 11.1	- 5.7	- 6.6	"

\* Employment Level at August 1, 1946 affected by major strikes.





	Reported Employment Aug. 1/46  (000's)	Reported Employment on August 1, 1946 Compared with August 1:			See Chart Number
		1939	1943	1945	
		%	%	%	
<u>Non-Durable Goods (cont'd)</u>					
Beverages & Tobacco:					
Tobacco	9.5	+ 16.4	- 4.5	+ .7	B-20
Brewing	9.2	+ 45.5	+ 40.1	+ 19.0	"
Distilling	3.9	+109.3	+ 42.2	+ 1.5	"
Textile Products:					
Hosiery & Knit Goods	23.2	+ 21.9	+ 7.9	+ 6.2	B-21-I
Cotton Yarn & Cloth	16.7	- 12.6	- 25.7	- 20.5	" *
Woollen Yarn & Cloth	13.7	+ 56.1	+ 10.7	+ 5.5	"
Silk, Artificial Silk	13.3	+ 76.4	+ 27.6	+ 15.6	B-21-II
Garments & Furnishing	48.6	+ 47.1	- 0.6	+ 1.9	"
Leather Products:					
Tanning	5.3	+ 42.3	+ 17.4	+ 13.9	B-22
Footwear	19.8	+ 22.9	+ 14.5	+ 11.0	"
Gloves & Mitts	2.4	+ 84.3	- 12.1	+ 2.4	"
Other Leather Goods	4.4	+ 90.7	+ 12.8	+ 11.1	"
Fur & Rubber:					
Fur	4.0	+ 49.5	+ 28.1	+ 13.7	B-23
Rubber	13.9	+ 2.1	- 11.9	- 39.4	" *
Pulp & Paper Products:					
Printing & Publishing	38.1	+ 34.5	+ 26.4	+ 13.9	B-24
Pulp & Paper	46.6	+ 50.9	+ 20.0	+ 12.8	"
Paper Products	19.0	+ 85.4	+ 20.3	+ 10.4	"
Non-Metallic Minerals:					
Coal Products	3.3	+ 27.0	+ 14.4	+ 10.0	B-26
Petroleum	10.2	+ 40.2	+ 12.5	+ 4.8	"
Chemicals:					
Drugs	8.9	+ 86.3	+ 18.7	- 2.8	B-27
Soap	3.3	+ 56.3	+ 18.6	+ 15.3	"
Fertilizer	2.6	+176.9	+ 39.4	+ 38.9	"
Paints & Varnishes	5.4	+ 69.7	+ 36.8	+ 18.2	B-28
Acids, Alkalies & Salts	4.9	+102.7	- 26.7	- 16.5	"
Compressed Gases	1.6	+131.0	- 3.4	- 8.7	"
(Special War Expanded Industries)					
Explosives	3.3	+ 55.5	- 91.9	- 74.4	B-35
Ammunition	1.2	- 52.2	- 93.4	- 84.2	B-40

\* Employment Level at August 1, 1946 affected by major strikes.

1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50
51	51	51	51	51	51
52	52	52	52	52	52
53	53	53	53	53	53
54	54	54	54	54	54
55	55	55	55	55	55
56	56	56	56	56	56
57	57	57	57	57	57
58	58	58	58	58	58
59	59	59	59	59	59
60	60	60	60	60	60
61	61	61	61	61	61
62	62	62	62	62	62
63	63	63	63	63	63
64	64	64	64	64	64
65	65	65	65	65	65
66	66	66	66	66	66
67	67	67	67	67	67
68	68	68	68	68	68
69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73
74	74	74	74	74	74
75	75	75	75	75	75
76	76	76	76	76	76
77	77	77	77	77	77
78	78	78	78	78	78
79	79	79	79	79	79
80	80	80	80	80	80
81	81	81	81	81	81
82	82	82	82	82	82
83	83	83	83	83	83
84	84	84	84	84	84
85	85	85	85	85	85
86	86	86	86	86	86
87	87	87	87	87	87
88	88	88	88	88	88
89	89	89	89	89	89
90	90	90	90	90	90
91	91	91	91	91	91
92	92	92	92	92	92
93	93	93	93	93	93
94	94	94	94	94	94
95	95	95	95	95	95
96	96	96	96	96	96
97	97	97	97	97	97
98	98	98	98	98	98
99	99	99	99	99	99
100	100	100	100	100	100



	Reported Employment Aug.1/46  (000's)	Reported Employment on August 1, 1946 Compared with August 1: 1939      1943      1945			See Chart Number
		%	%	%	
2. <u>Durable Goods</u>					
Lumber & Its Products:					
Furniture	14.3	+ 87.5	+ 33.6	+ 17.2	B-25
Rough & Dressed Lumber	42.2	+ 31.7	+ 11.2	+ 6.7	"
Wooden Containers	9.0	+ 87.3	+ 12.0	- 1.0	"
Clay, Glass & Stone Prods:					
Clay	5.4	+ 48.6	+ 67.8	+ 38.9	B-26
Stone	7.7	+ 71.1	+ 13.6	+ 21.5	"
Glass	7.1	+ 87.1	+ 13.4	+ 8.6	"
Primary Metals:					
Primary Steel	25.9	+ 53.5	- 28.6	- 20.9	B-29*
Lead, Zinc & Copper	13.2	+ 67.5	- 58.5	- 28.1	" *
Non-Ferrous Smelting & Refining	11.4	+ 13.5	- 23.0	- 12.0	B-30
Aluminum	10.3	+189.3	- 50.6	- 17.6	"
Iron & Its Products:					
Machinery	25.4	+111.5	- 3.2	+ 9.8	B-31
Railway Cars & Parts	43.0	+ 58.2	- 2.3	- 2.3	"
Railway Locomotives	9.8	+ 94.7	- 15.2	- 12.2	"
Foundries & Machine Shops	9.1	+120.6	- 10.4	- 8.9	B-32
Tools	6.8	+118.0	- 25.0	- 9.2	"
Iron & Steel Fabrication	10.6	+ 61.6	- 43.5	- 30.5	"
Farm Implements	13.7	+221.0	+ 21.5	+ 13.7	B-33
Boilers, Tanks & Engines	7.6	+131.9	- 15.3	+ 6.8	"
Wire Products	4.6	+ 32.3	- 10.6	- 13.2	B-34*
Heating Appliances	6.2	+ 48.0	+ 14.4	+ 8.6	"
Sheet Metal Products	14.9	+128.5	+ 14.9	+ 2.6	"
Small Hardware	6.5	+137.4	- 7.9	+ 8.7	"
Automobiles	36.2	+148.0	- 23.4	- 11.3	B-36*
(Special War Expanded Industries)					
Airplanes	13.6	+256.9	- 82.7	- 72.9	B-37
Shipbuilding	24.5	+658.6	- 70.6	- 59.5	B-38
Firearms	1.8	n.a.	- 95.3	- 88.5	B-39

\* Employment Level at August 1, 1946 affected by major strikes.

THE ...  
...  
...

...

...  
...  
...

...

...  
...  
...

...

...  
...

...

...  
...

...

...  
...

...

...  
...

...

...  
...

...

...  
...

...

...  
...

...

...  
...

...

...  
...

...



SECTION I    EIGHT MAJOR INDUSTRIES

Chart No.

A. TOTAL BY AREAS

1. Canada

B-1

041212

041212 041212 041212

041212 041212

041212



PER CENT

# EMPLOYMENT IN EIGHT INDUSTRIES EXCLUDING AGRICULTURE

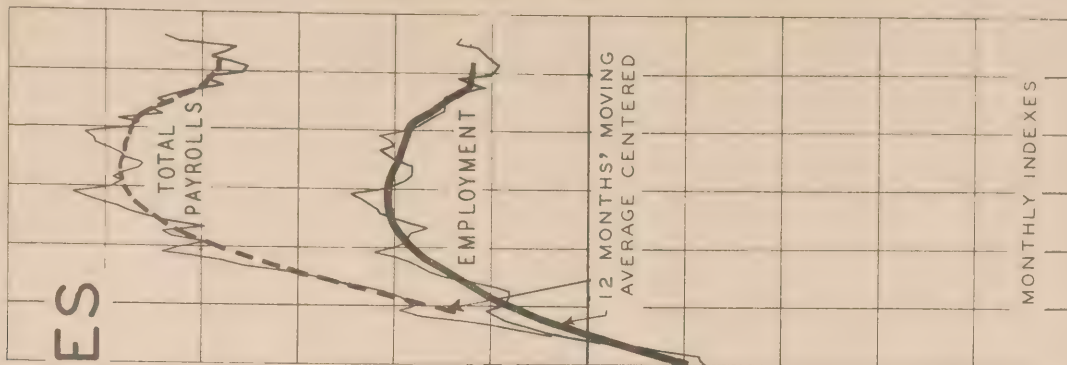
JUNE 1941=100

Estimated  
Aug. 1, 1939  
1,207,700

Average Weekly Earnings  
No. of Employees Reported

Aug. 1, 1946  
\$32.64  
1,765,105

PER CENT



ANNUAL AVERAGES

1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940





SECTION I    EIGHT MAJOR INDUSTRIES

Chart No.

1. TOTAL BY AREAS

2. Economic Regions

Ontario	B-2
Quebec	"
British Columbia	B-3
Prairies	"
Maritimes	"

1000

1000

1000

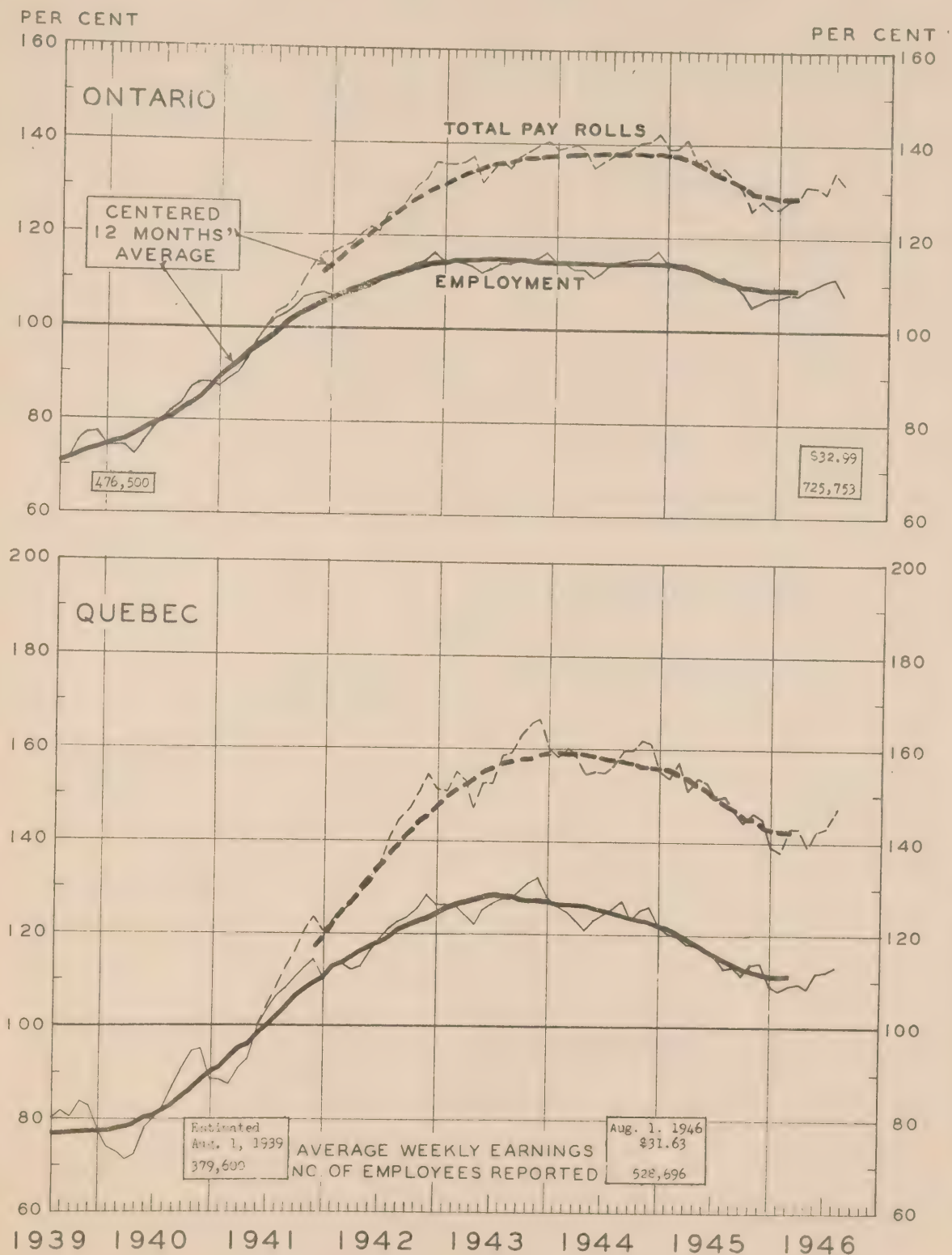
1000

1000



# EMPLOYMENT AND PAYROLLS IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE ONTARIO, QUEBEC

JUNE 1941 = 100



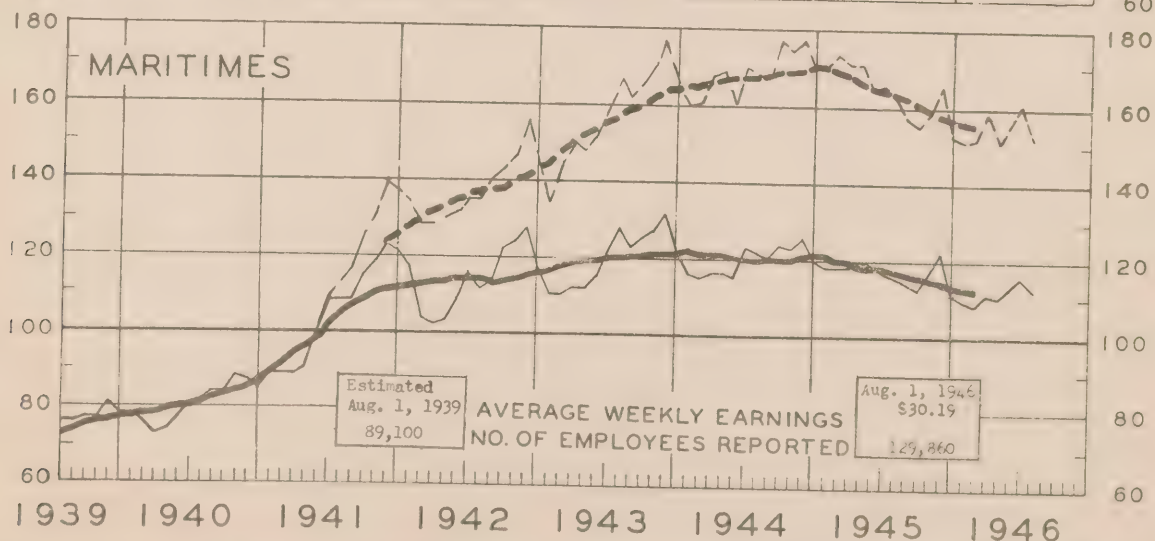
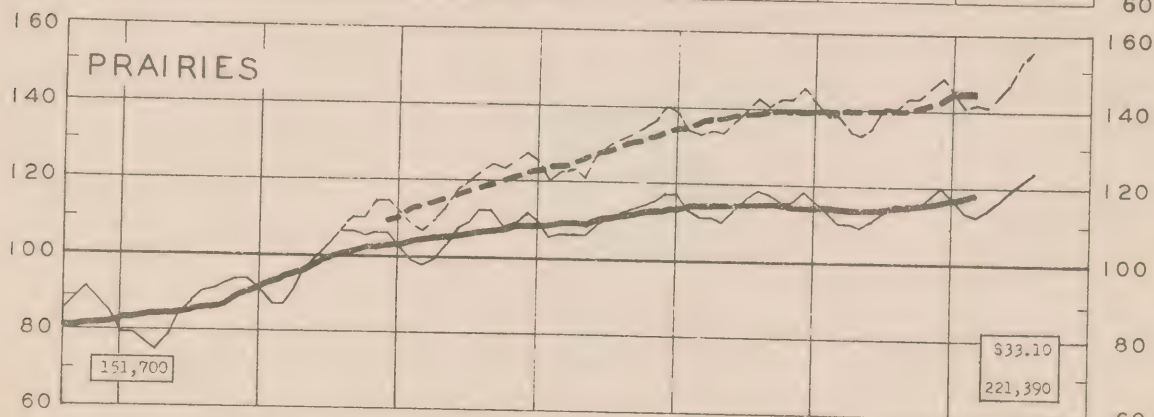
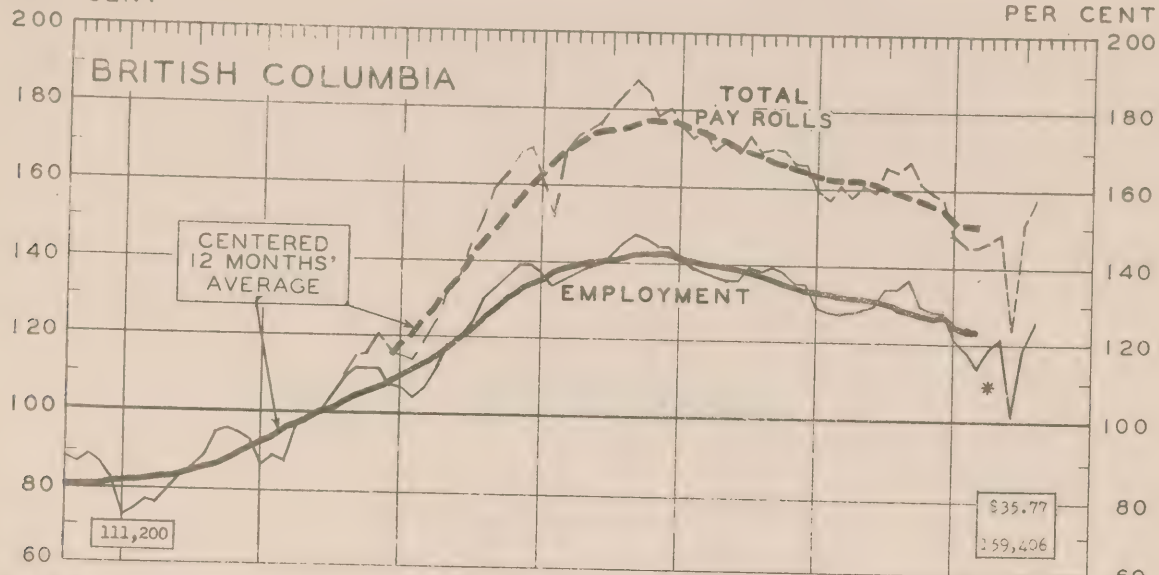


# EMPLOYMENT AND PAYROLLS IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE BRITISH COLUMBIA, PRAIRIES, MARITIMES

JUNE 1941 = 100

PER CENT

PER CENT







SECTION I    EIGHT MAJOR INDUSTRIES

Chart No.

A.    TOTAL BY AREAS

3. Principal Cities

Montreal	B-4
Quebec City	"
Toronto	B-5
Hamilton	"
Windsor	"
Ottawa	B-6
Winnipeg	"
Vancouver	"

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

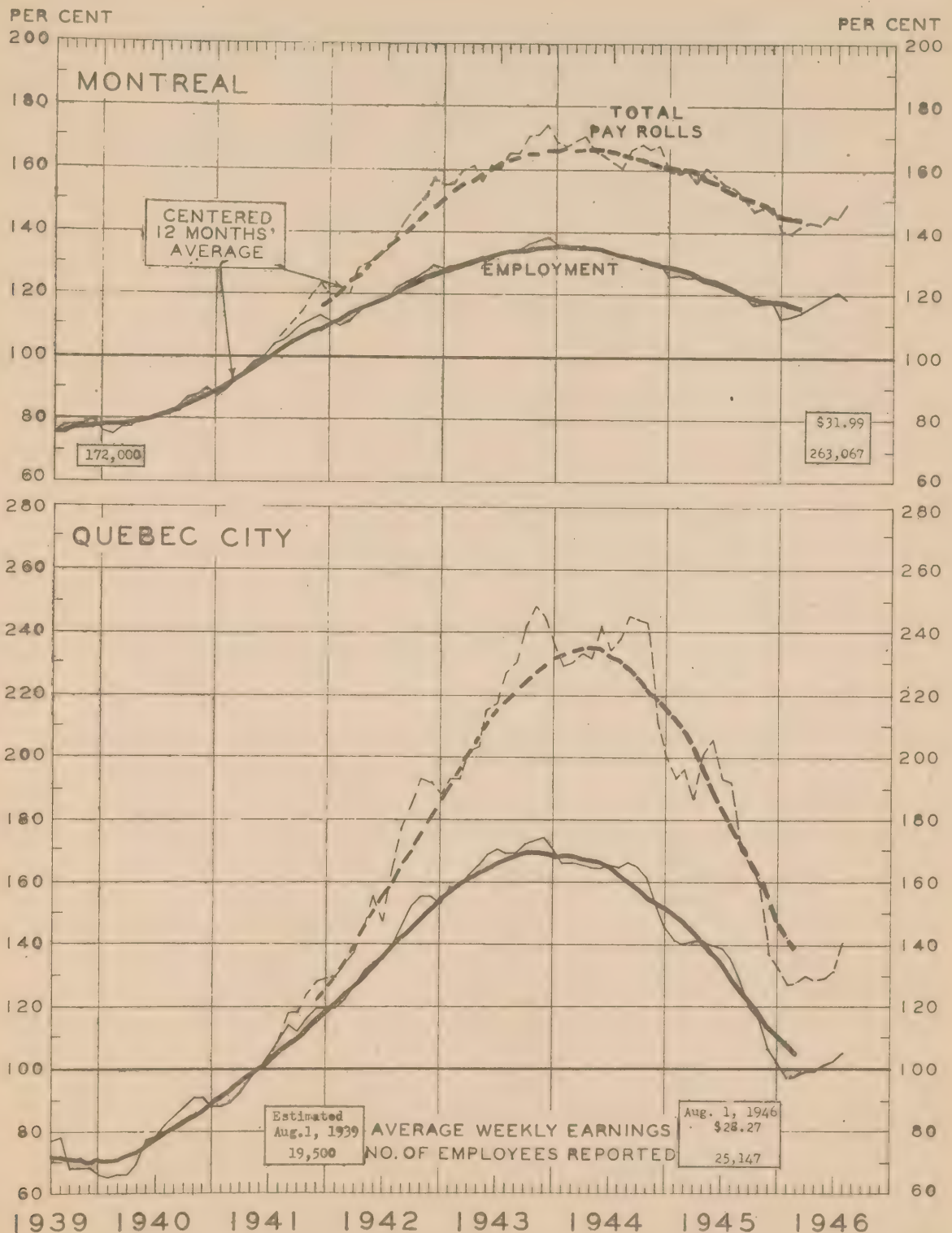
1911

1911



# EMPLOYMENT AND PAYROLLS IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE MONTREAL, QUEBEC

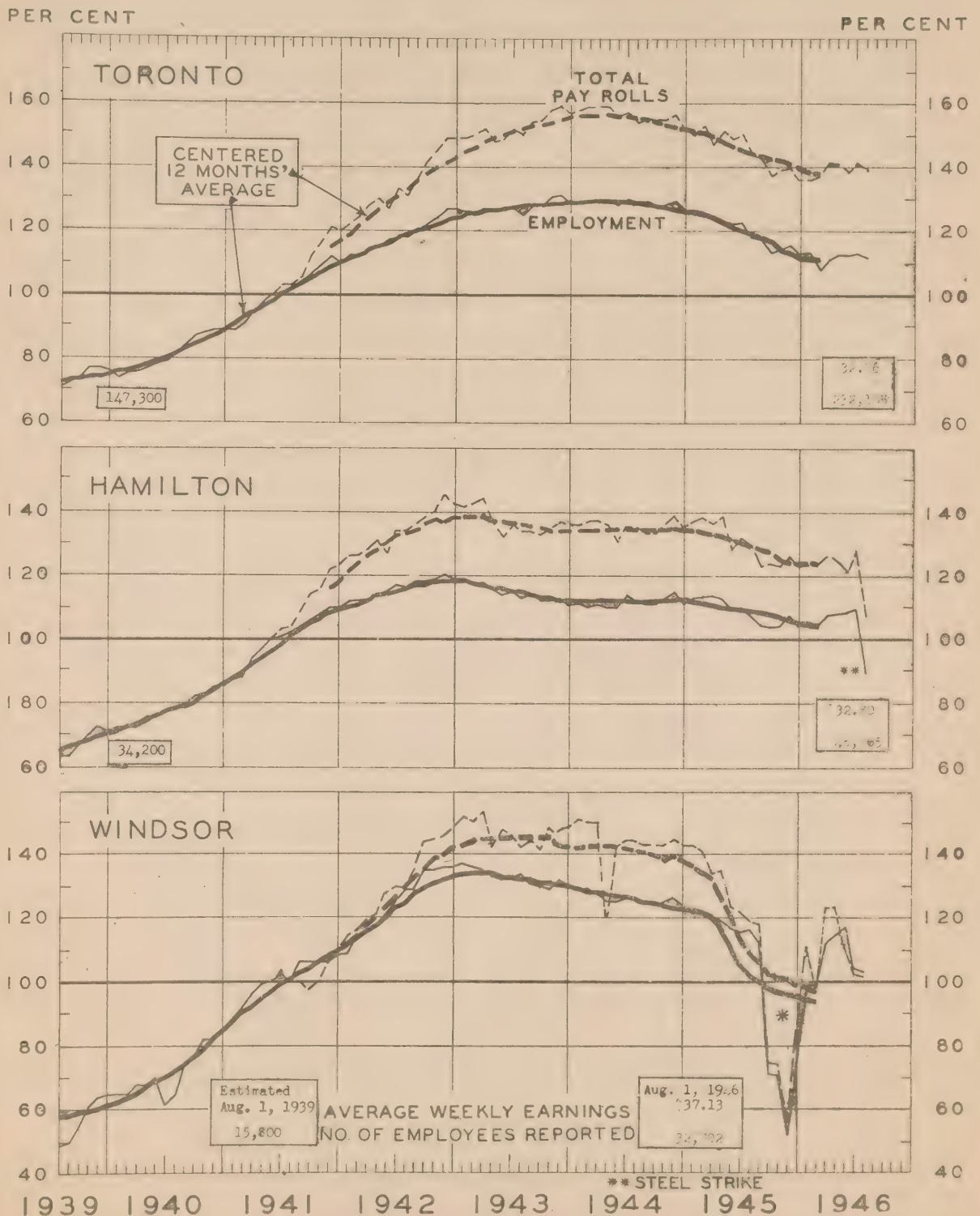
JUNE 1941 = 100





# EMPLOYMENT AND PAYROLLS IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE TORONTO, HAMILTON, WINDSOR

JUNE 1941 = 100





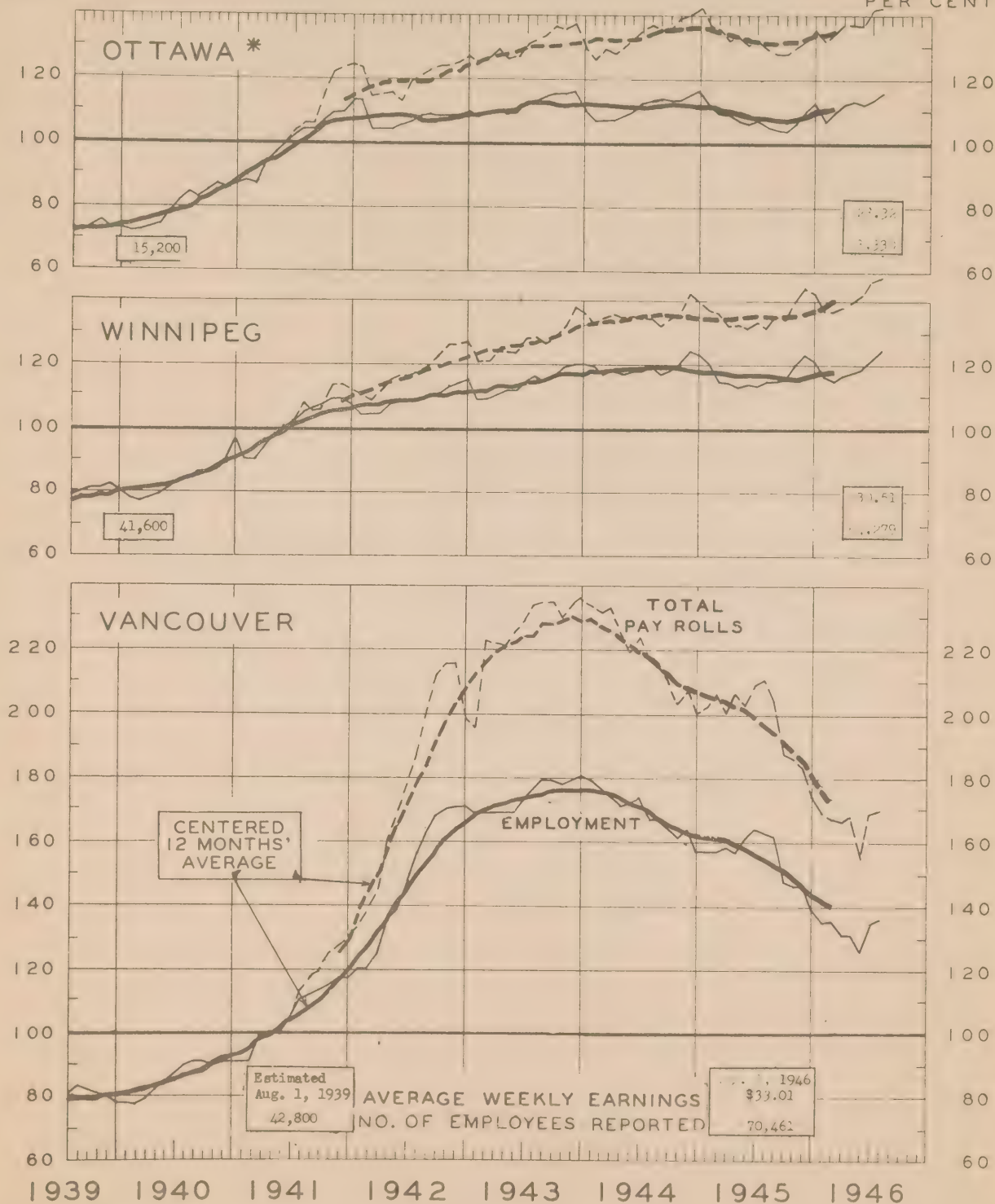


# EMPLOYMENT AND PAYROLLS IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE OTTAWA, WINNIPEG, VANCOUVER

JUNE 1941=100

PER CENT

PER CENT



\* EXCLUDING CIVIL SERVICE





SECTION I    EIGHT MAJOR INDUSTRIES

Chart No.

B.    INDIVIDUAL MAJOR INDUSTRIES

Mining	B-7
Construction	"
Manufacturing	"
Communications	B-8
Transportation	"
Services	"
Logging	B-9
Trade	"
(Average Per-Capita Weekly Earnings Eight Industries)	B-10

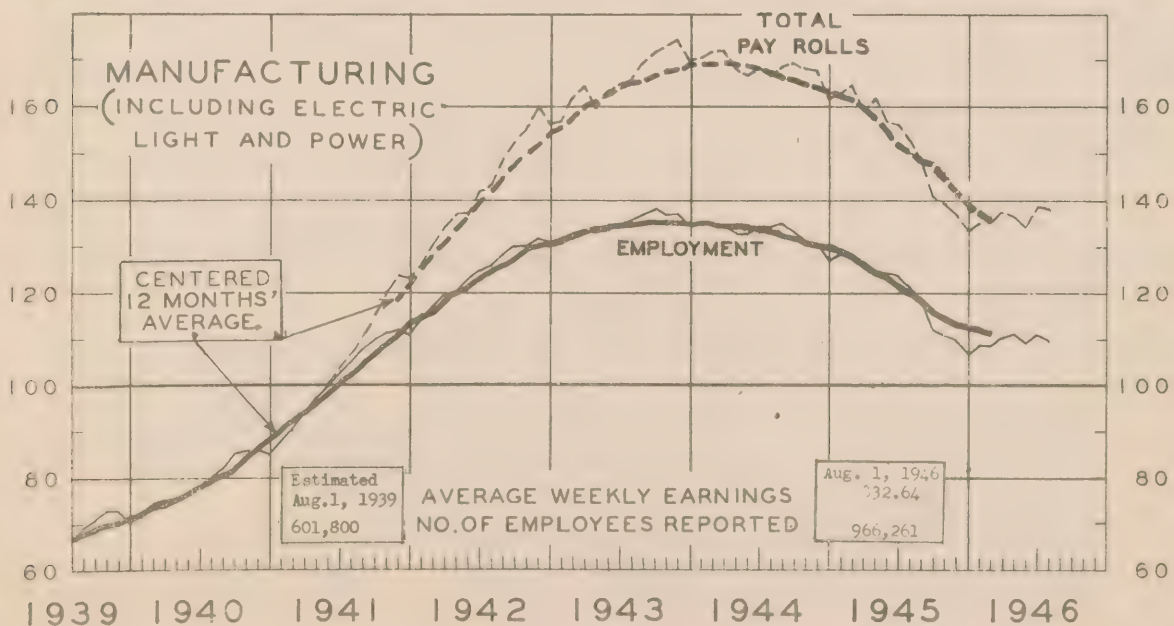
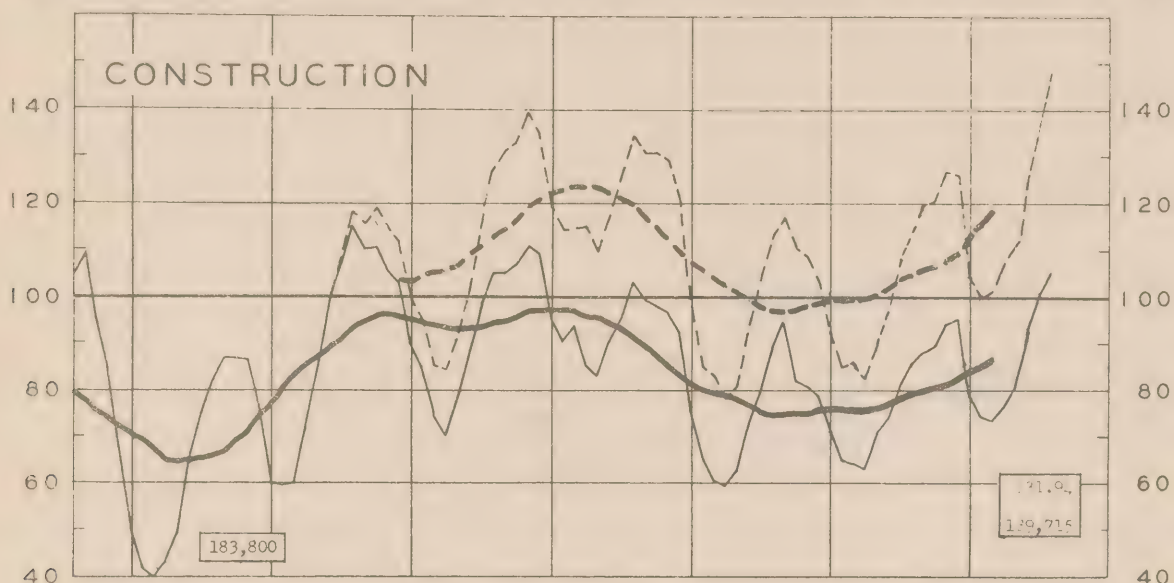
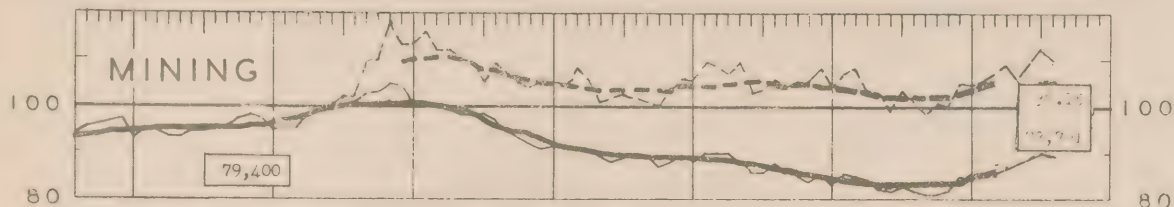


# EMPLOYMENT AND PAYROLLS MINING, CONSTRUCTION, MANUFACTURING

JUNE 1941=100

PER CENT

PER CENT

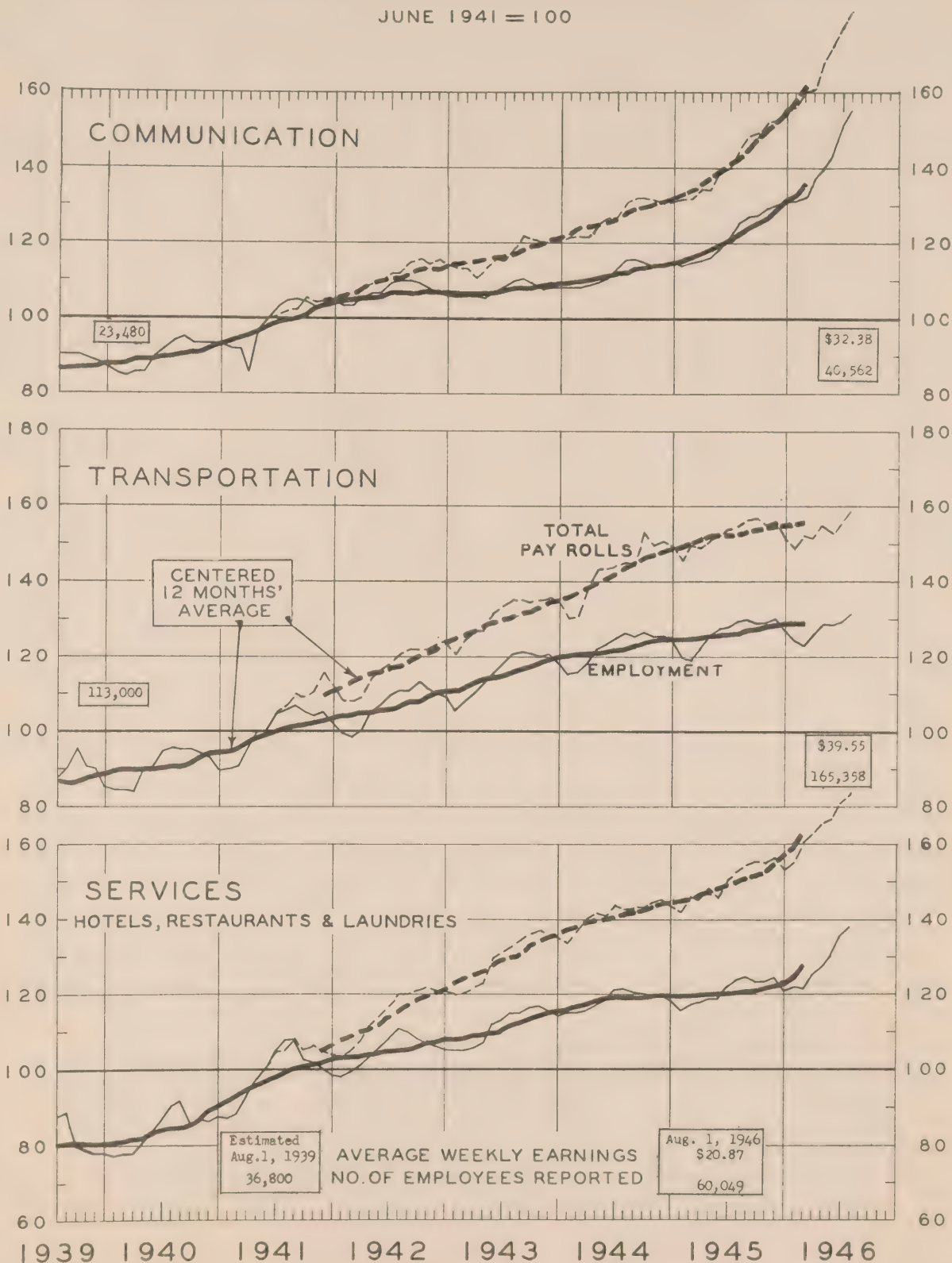






# EMPLOYMENT AND PAYROLLS COMMUNICATION, TRANSPORTATION, SERVICES

JUNE 1941 = 100



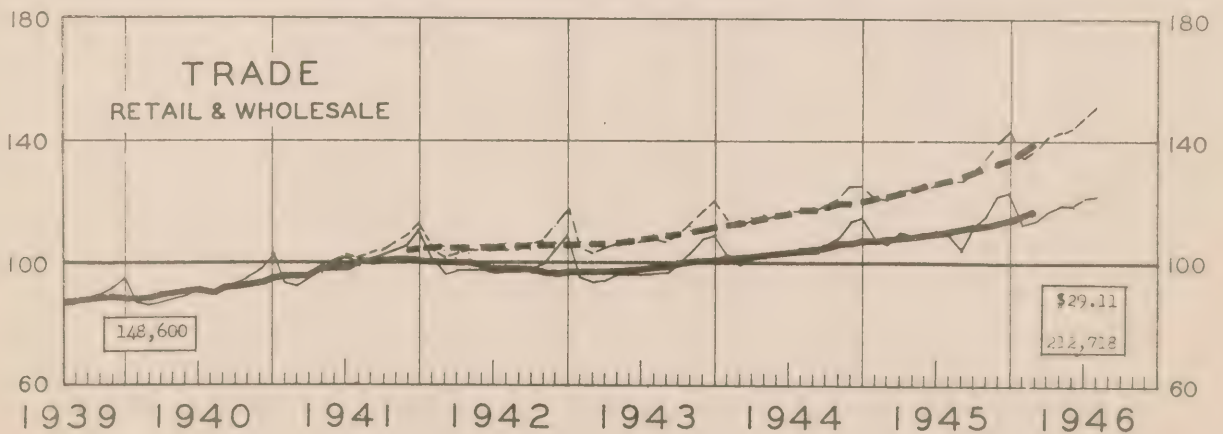
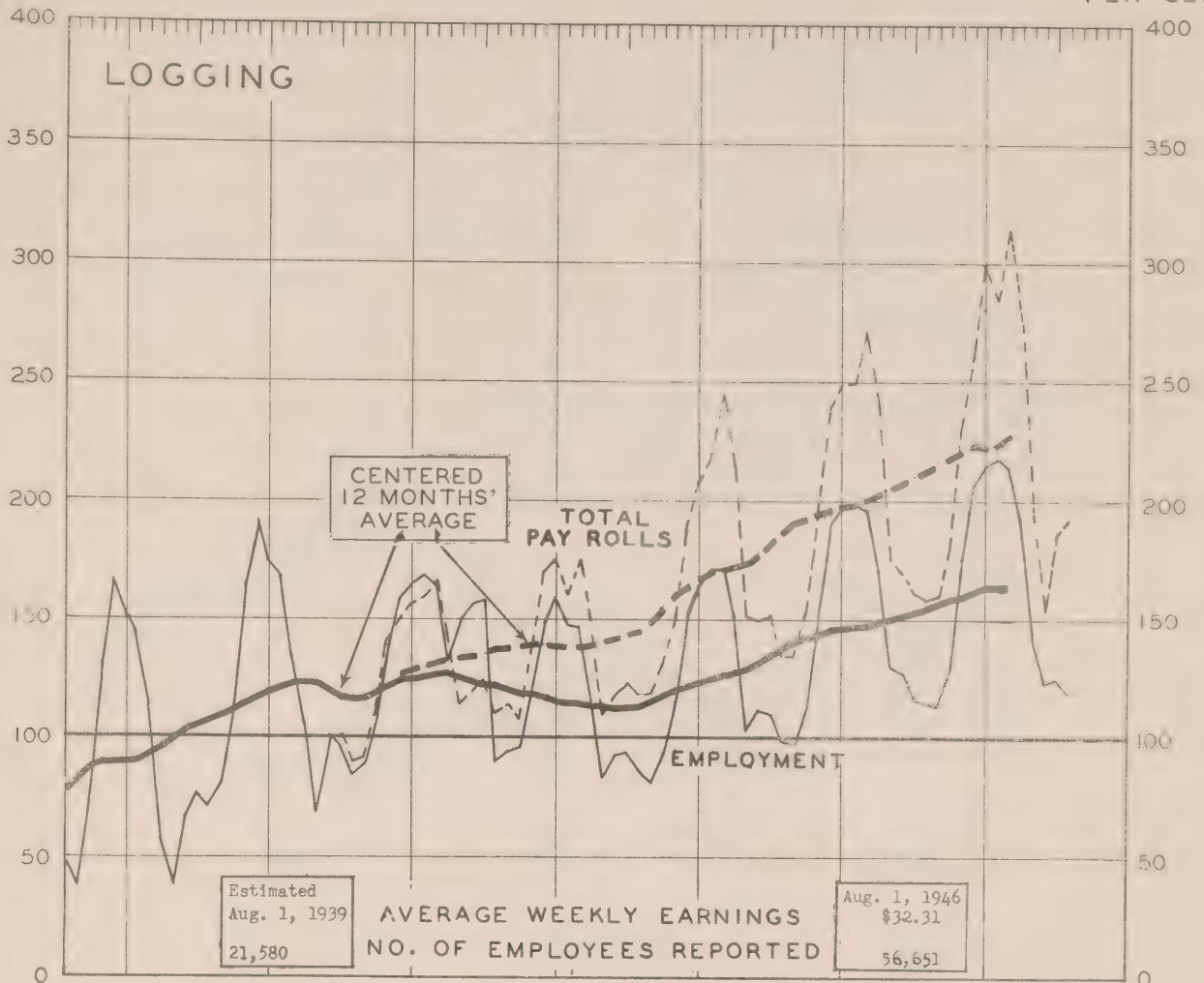


# EMPLOYMENT AND PAYROLLS TRADE AND LOGGING

JUNE 1941=100

PER CENT

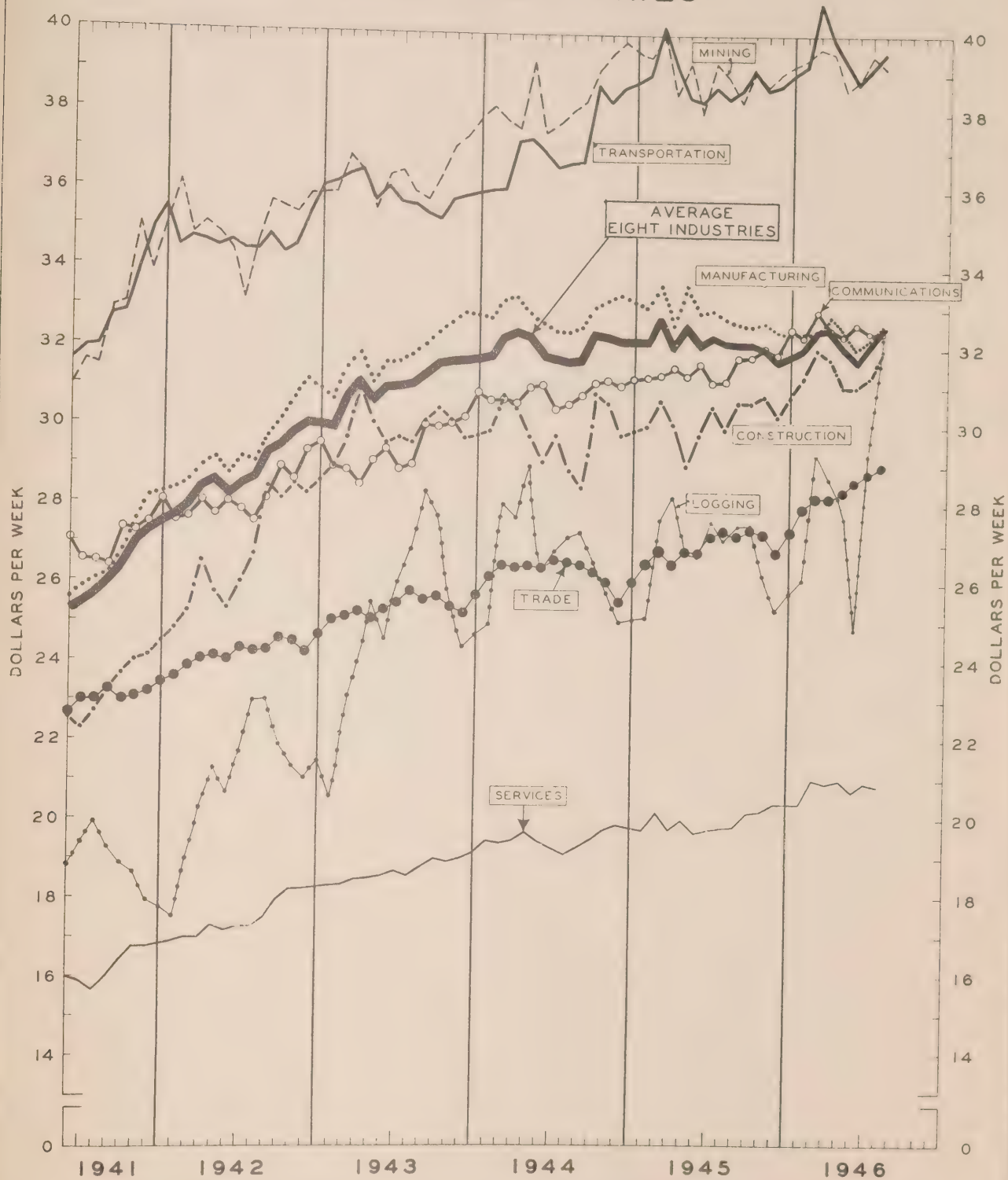
PER CENT







# AVERAGE PER CAPITA WEEKLY EARNINGS EIGHT INDUSTRIES





SECTION II    MANUFACTURING INDUSTRIES

Chart No.

A.	TOTAL: ALL MANUFACTURING	B-11
1.	TOTAL: NON-DURABLE GOODS	"
2.	TOTAL: DURABLE GOODS	"

TRANSFORMED AND REFORMED 11/1/1911

..H. HALL

11-4

REINFORCED CONCRETE ..

REINFORCED CONCRETE ..

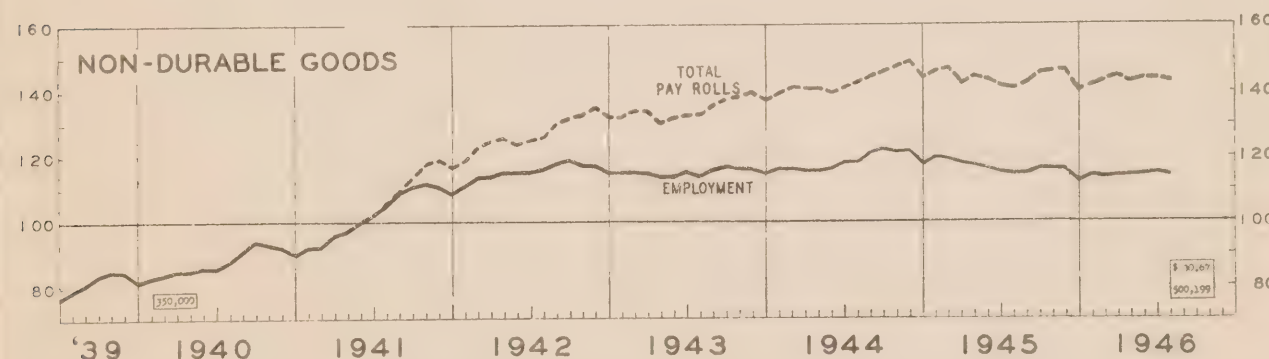
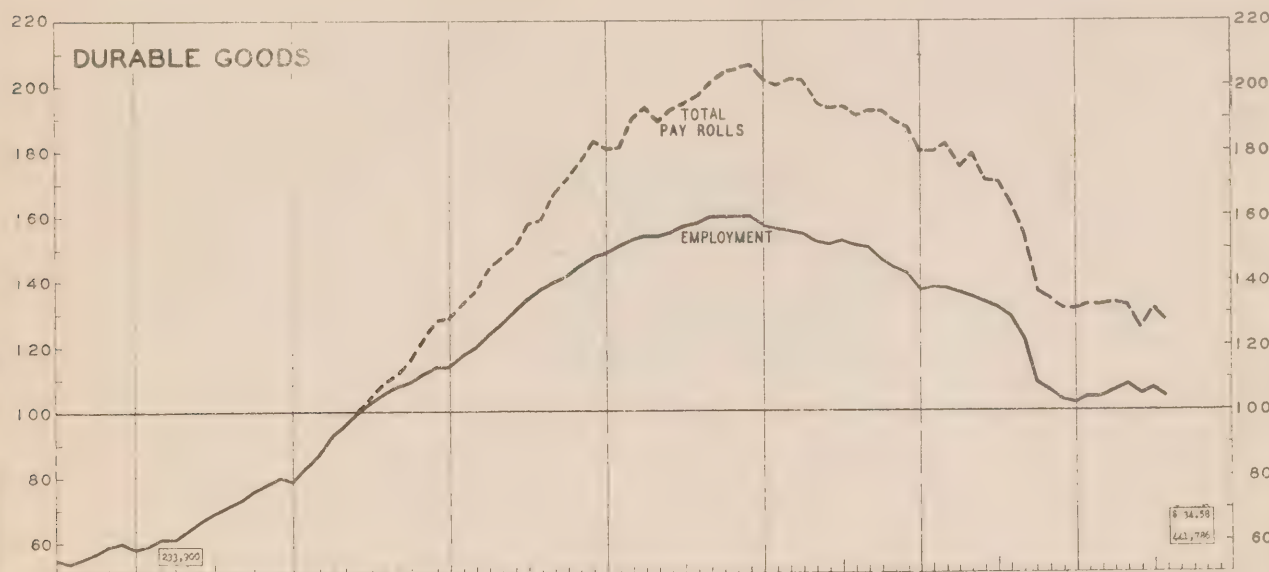
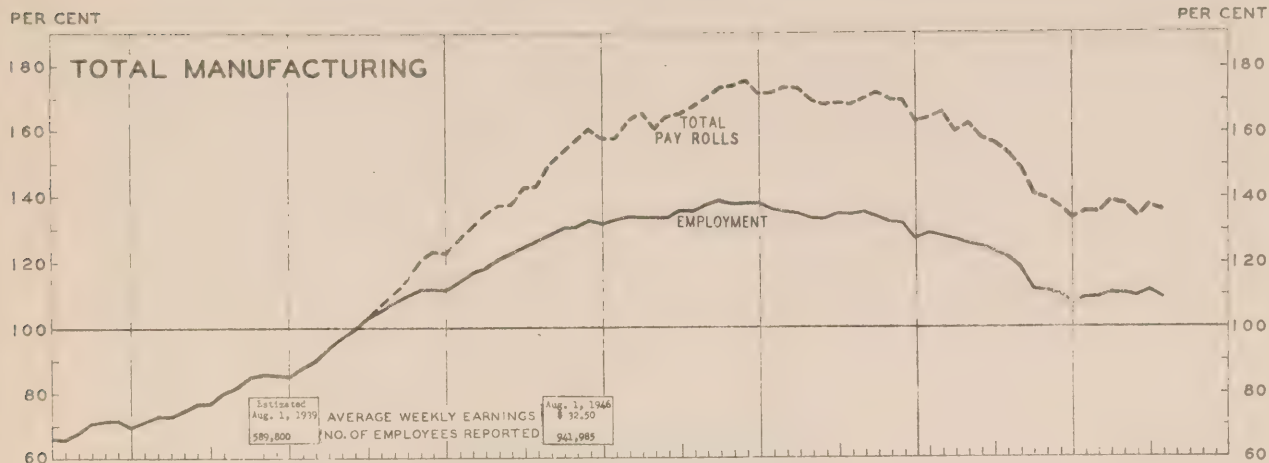
4

REINFORCED CONCRETE ..



# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

JUNE 1941 = 100



"DURABLE GOODS" INCLUDES IRON AND STEEL, NON-FERROUS METALS, ELECTRICAL APPARATUS, LUMBER- AND CLAY, GLASS AND STONE PRODUCTS. THE REMAINDER, "NON-DURABLE GOODS", INCLUDES TEXTILES, FOOD, BEVERAGES, TOBACCO, RUBBER, LEATHER, CHEMICALS AND FUELS.



SECTION II    MANUFACTURING INDUSTRIES

Chart No.

B.    MAJOR GROUPS

1.   Non-Durable Goods

Processed Food	B-13
Beverages & Tobacco	"
Textiles	"
Leather & Its Products	"
Pulp & Paper Products	B-14
Non-Metallic Minerals	"
Chemicals	"

**PROBATION DEPARTMENT**

Condition	100%	75%	50%	25%	0%
100%	95	90	85	80	75
75%	90	85	80	75	70
50%	85	80	75	70	65
25%	80	75	70	65	60
0%	75	70	65	60	55

*Journal of Management Studies*, 19(6), 701-718.

1900

0-5

11

153

• •  
•

• •

1. The first step is to identify the problem.  
 2. The second step is to analyze the problem.  
 3. The third step is to develop a solution.  
 4. The fourth step is to implement the solution.  
 5. The fifth step is to evaluate the results.



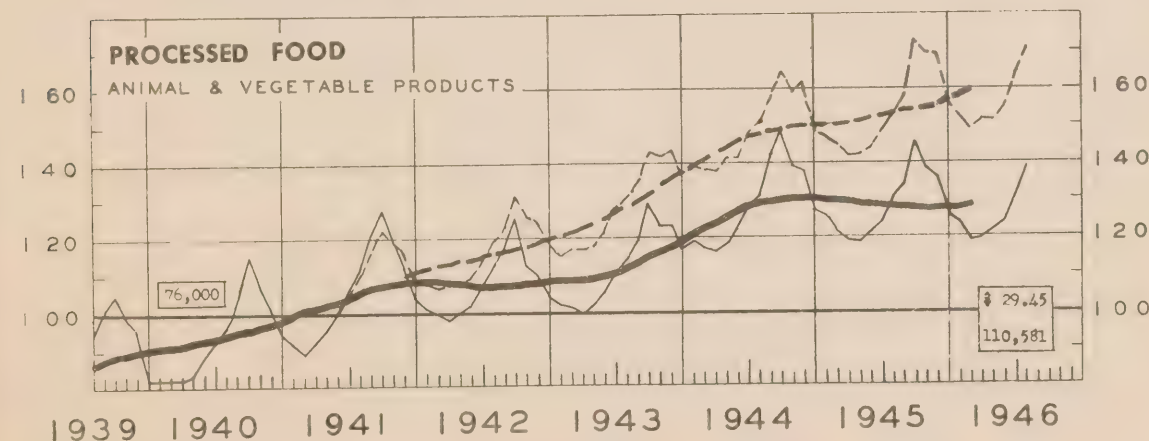
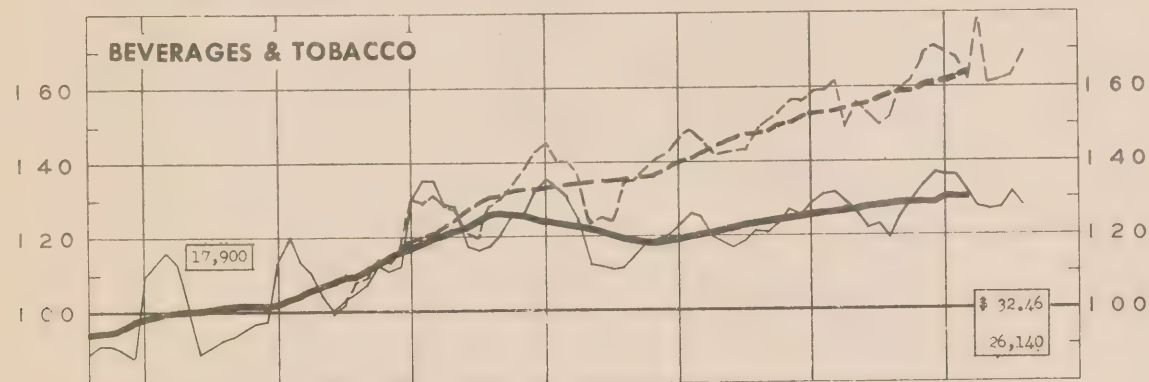
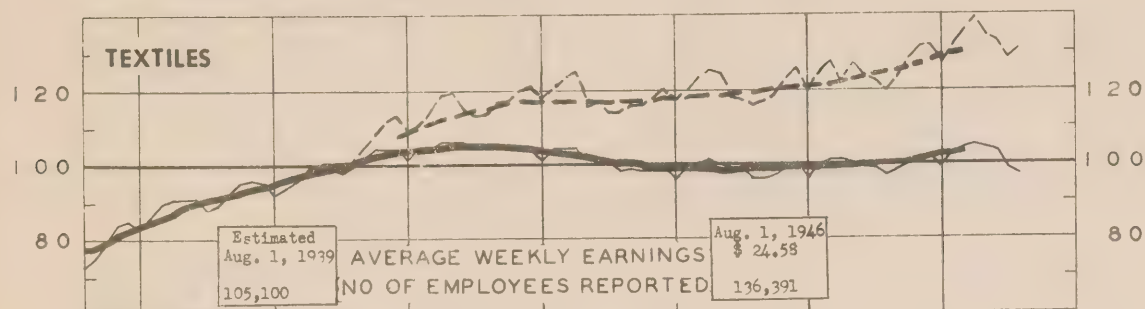
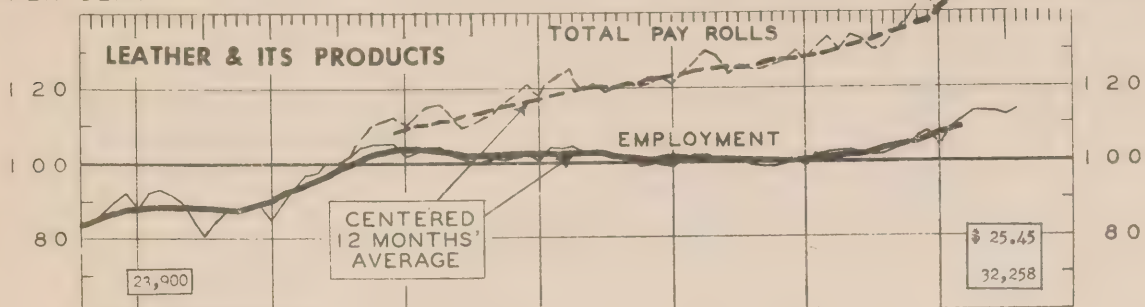
# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## MAJOR GROUPS - NON-DURABLE GOODS I

JUNE 1941=100

PER CENT

PER CENT





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## MAJOR GROUPS - NON-DURABLE GOODS II

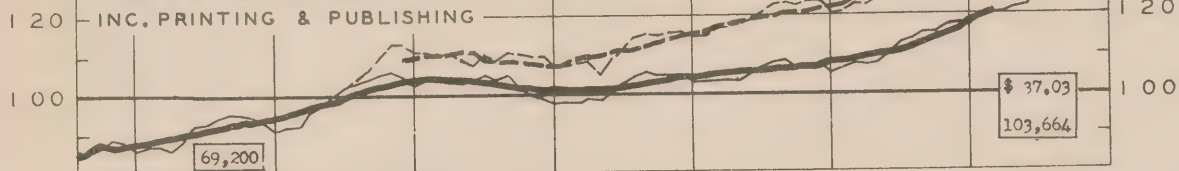
JUNE 1941=100

PER CENT

PER CENT

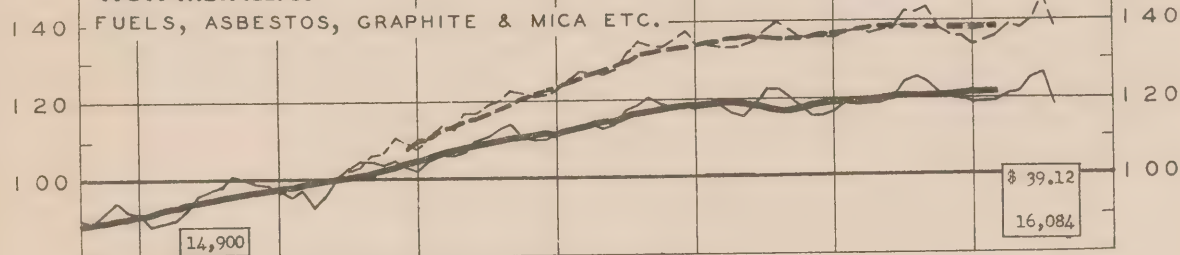
### PULP & PAPER PRODUCTS

INC. PRINTING & PUBLISHING



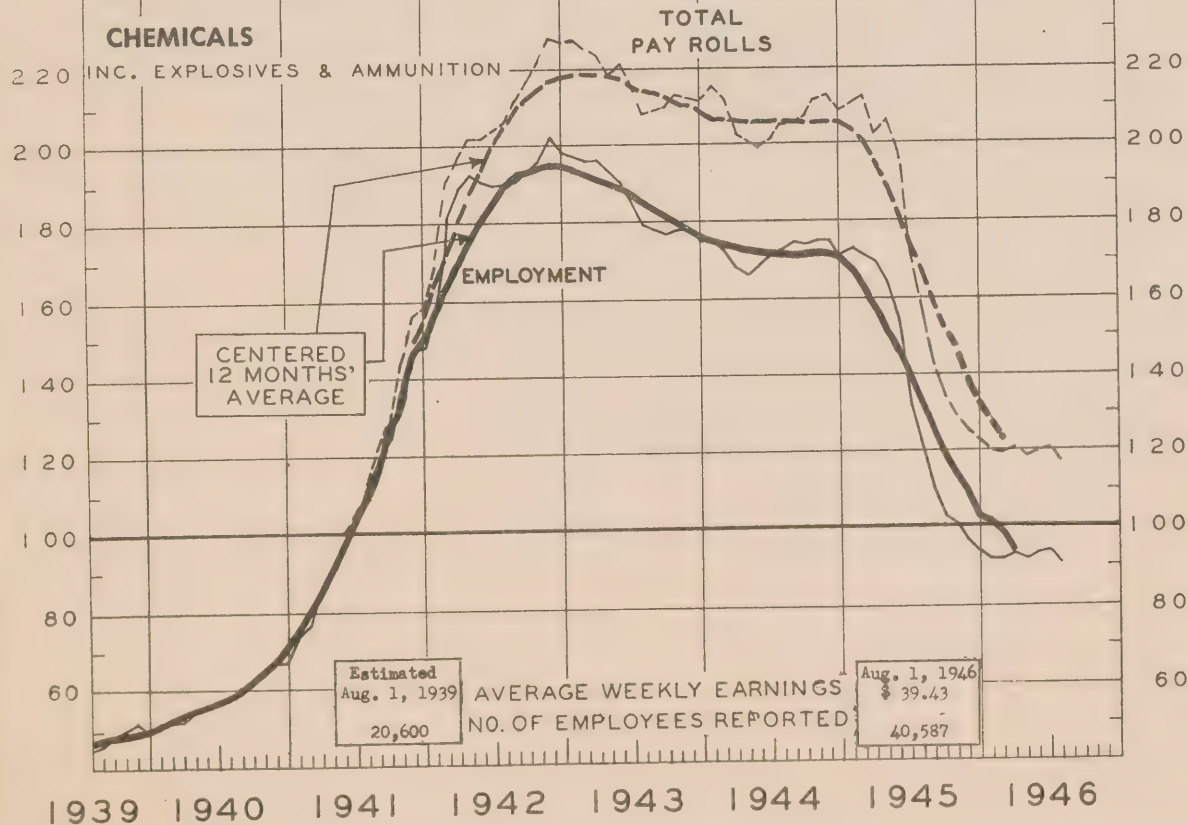
### NON-METALLICS

FUELS, ASBESTOS, GRAPHITE & MICA ETC.



### CHEMICALS

INC. EXPLOSIVES & AMMUNITION







SECTION II    MANUFACTURING INDUSTRIES

Chart No.

B.   MAJOR GROUPS

2.   Durable Goods

Lumber & Its Products	B-16
Clay, Glass & Stone Products	"
Electrical Apparatus	"
Non-Ferrous Metals & Their Products	B-15
Iron & Its Products	"

THE UNIVERSITY OF CHICAGO

CHICAGO, ILL.

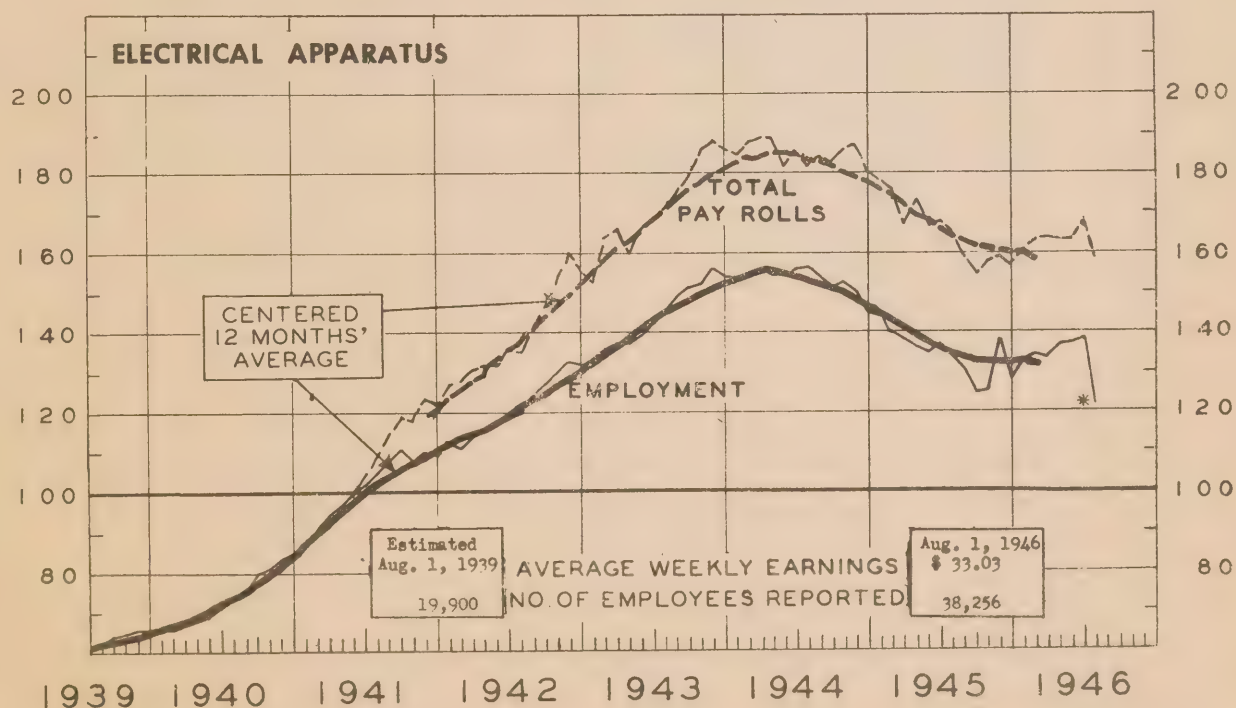
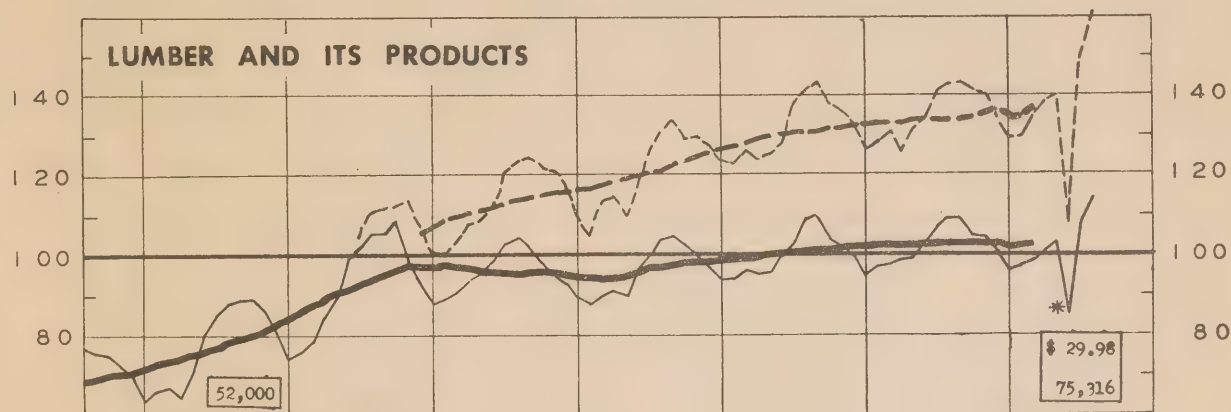
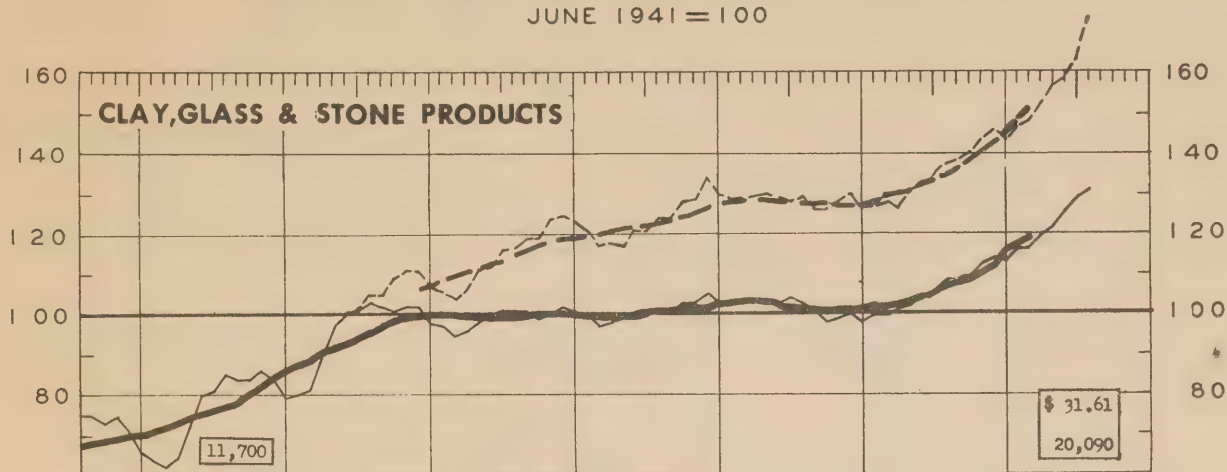
1911

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO  
CHICAGO, ILL.  
1911

# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING MAJOR GROUPS - DURABLE GOODS II

JUNE 1941=100



\* STRIKES

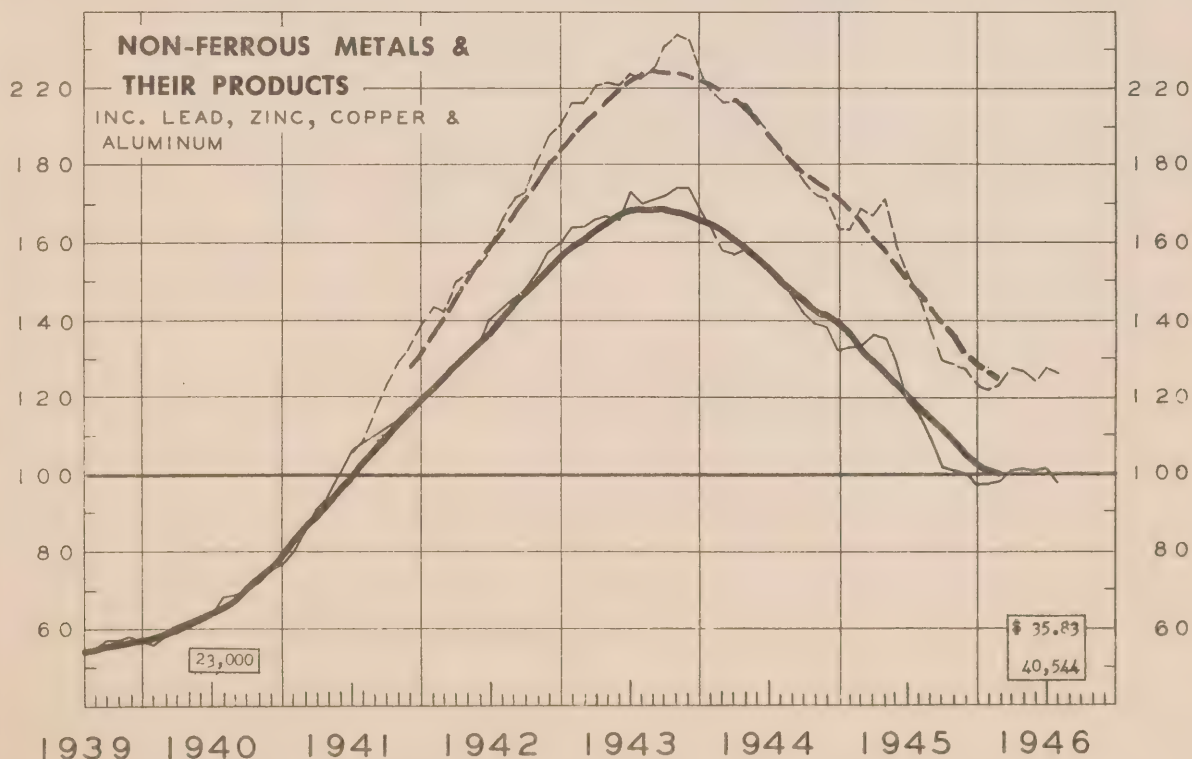
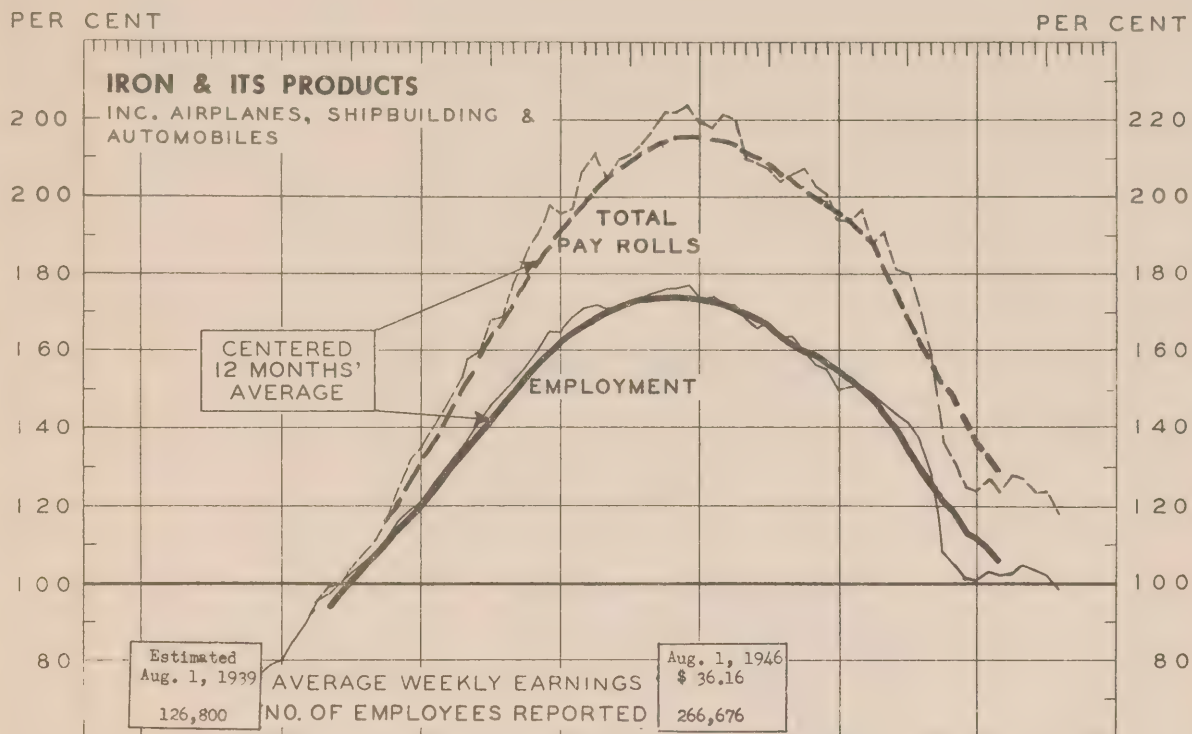




# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## MAJOR GROUPS - DURABLE GOODS I

JUNE 1941=100





SECTION II    MANUFACTURING INDUSTRIES

Chart No.

C.    MINOR GROUPS

1. Non-Durable Goods

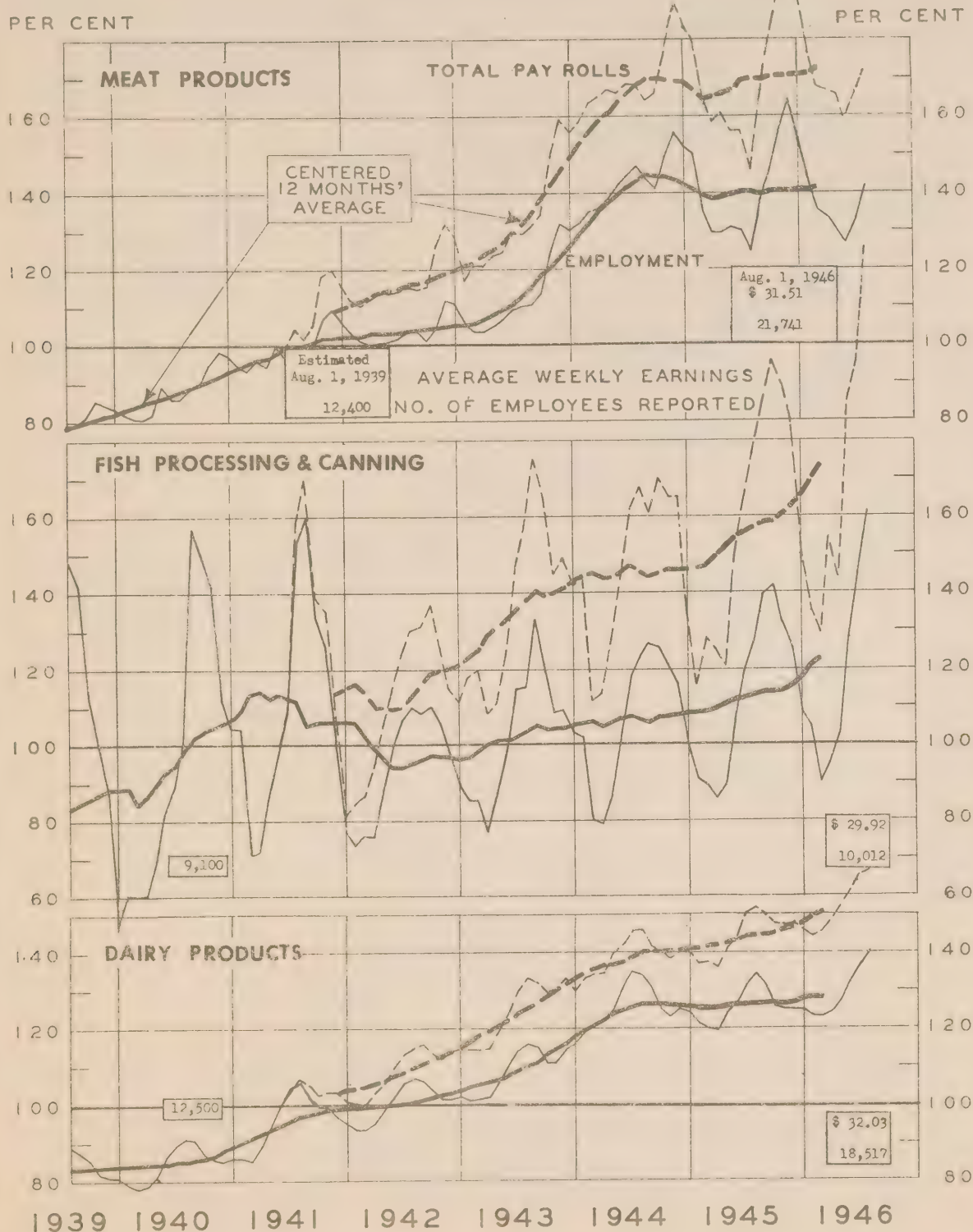
Edible Animal Products	B-17
Edible Plant Products	B-18
Confectionery	B-19
Beverages & Tobacco	B-20
Textile Products	B-21-1-II
Leather Products	B-22
Fur & Rubber	B-23
Paper Products	B-24
Non-Metallic Minerals	B-26
Chemicals	B-27 & 28
	B-35 & 40



# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## EDIBLE ANIMAL PRODUCTS

JUNE 1941=100







JUNE 1941=100



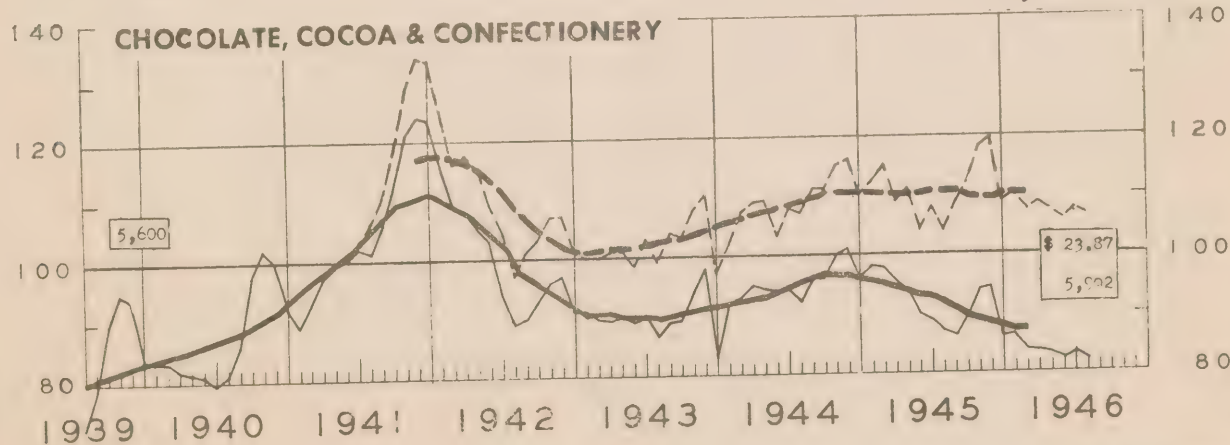
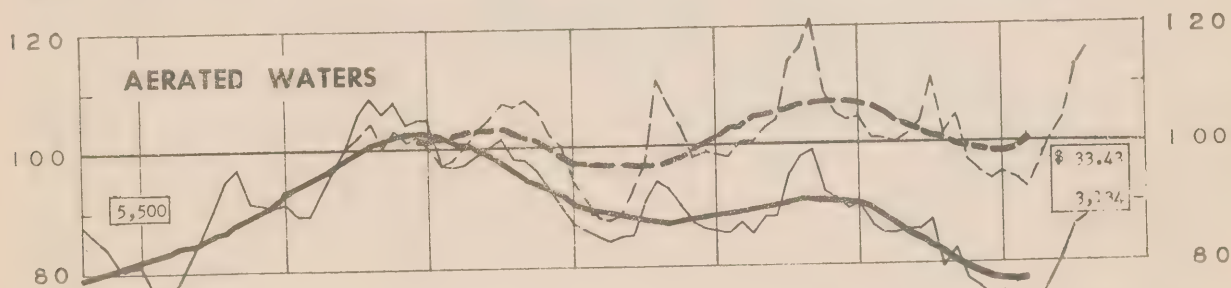
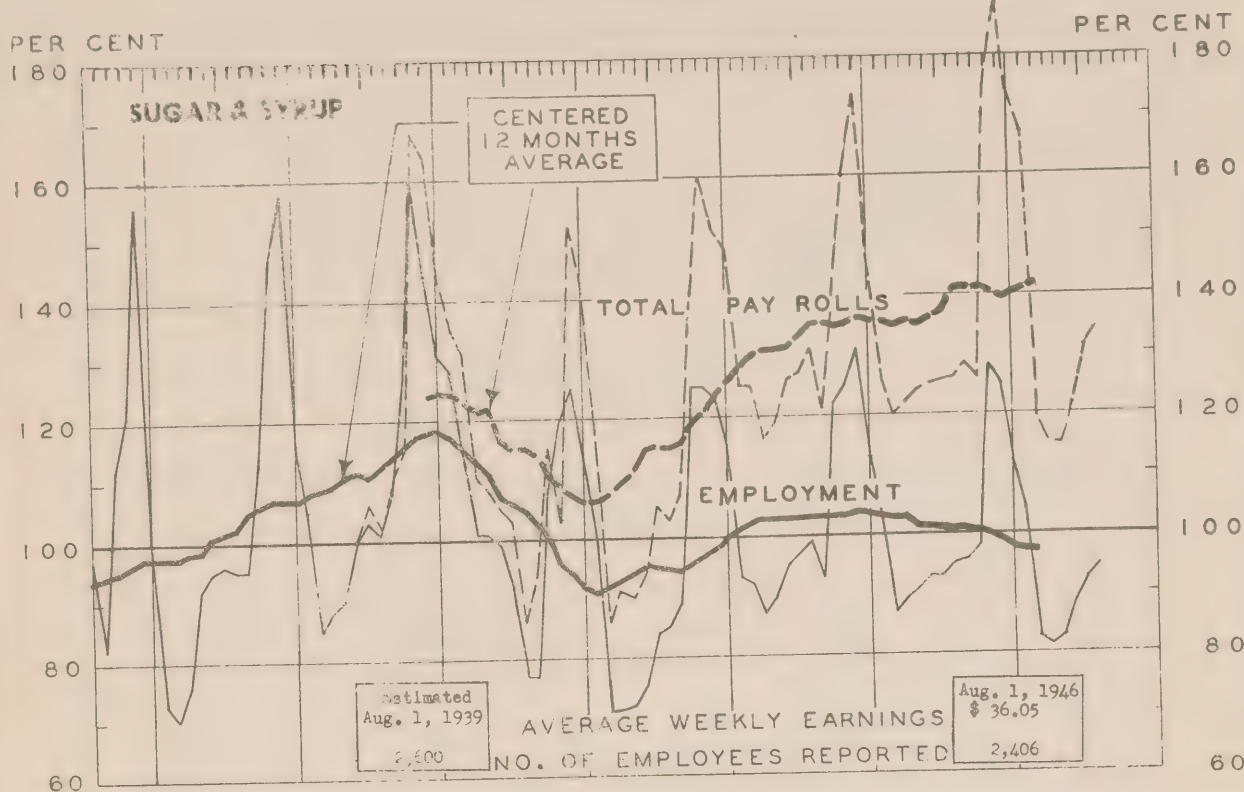
OCTOBER

ECONOMIC RESEARCH BRANCH, D.R.&S. NO. B-17,  
FORMERLY PREPARED BY: RESEARCH DIVISION, W.P.T.B.



# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING CONFECTIONERY

JUNE 1941=100





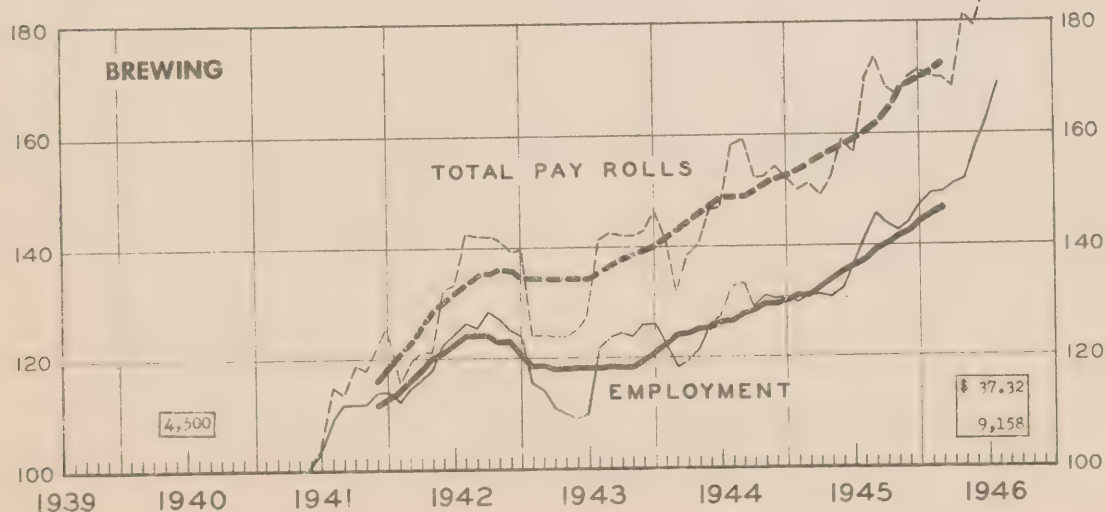
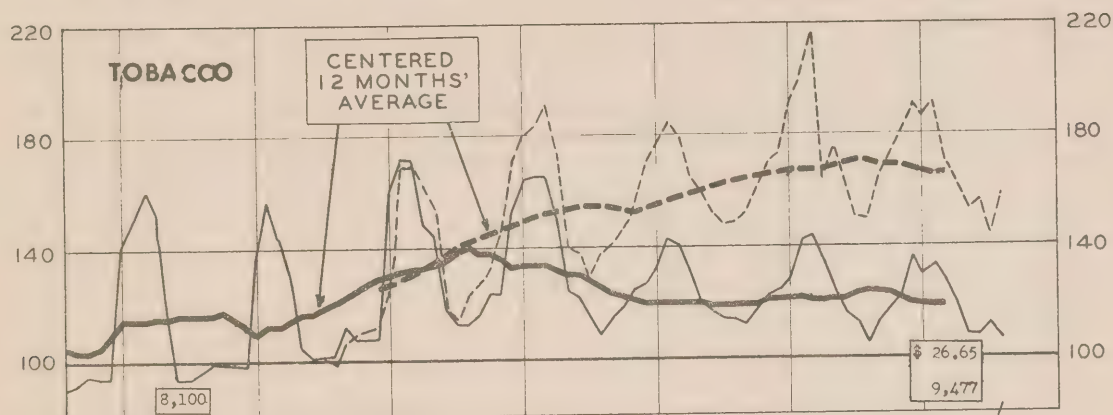
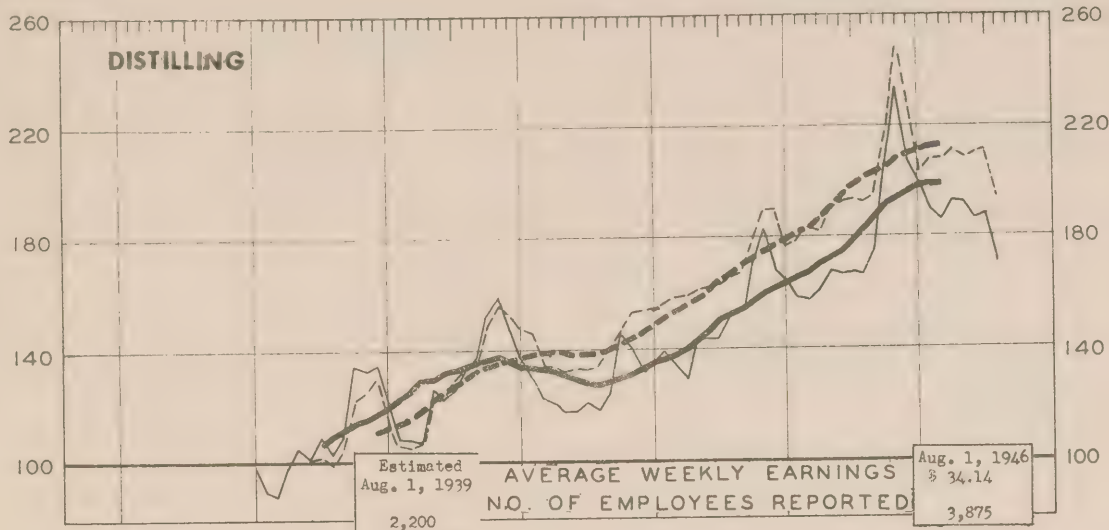


# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING BEVERAGES & TOBACCO

JUNE 1941=100

PER CENT

PER CENT



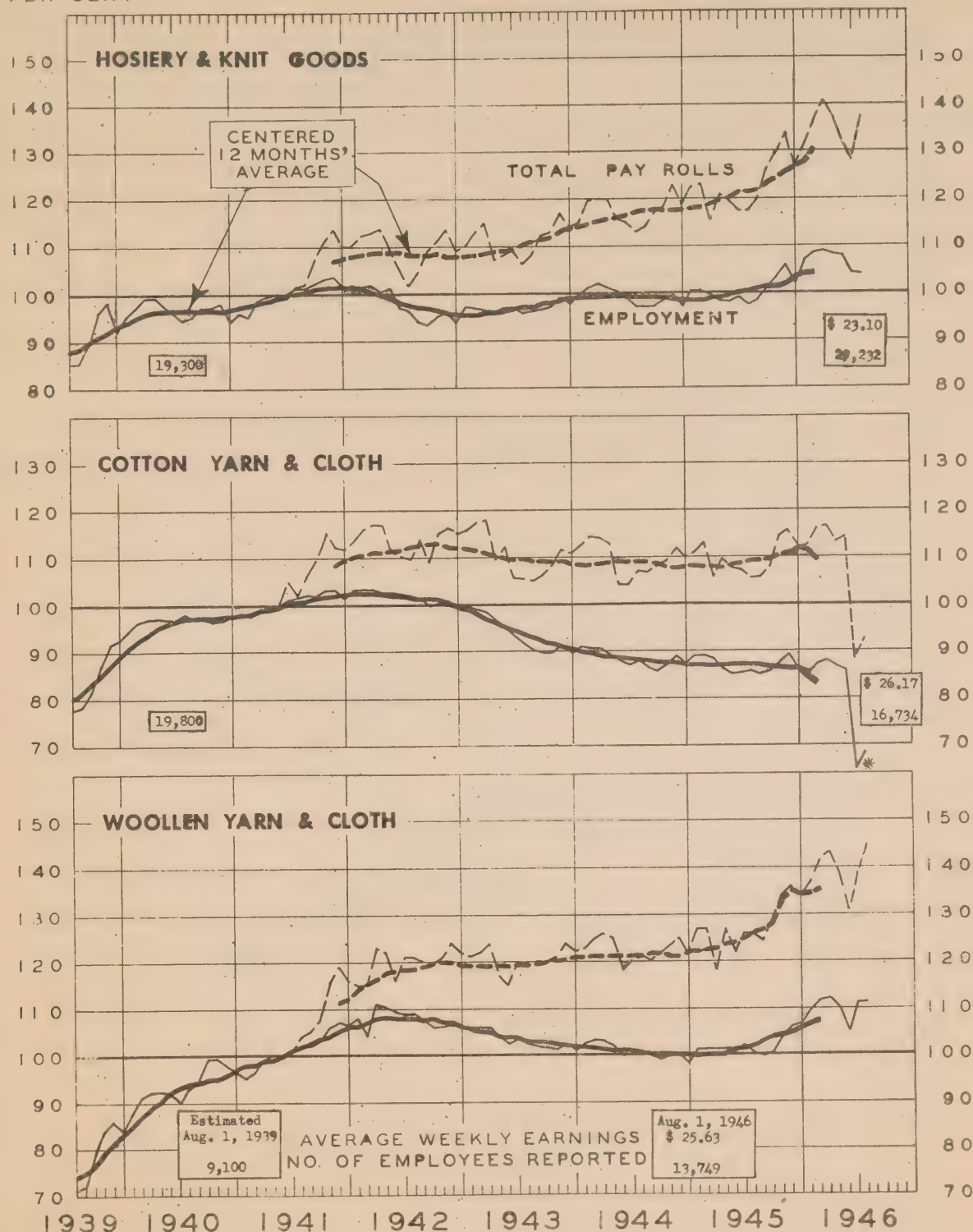


# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING TEXTILES

JUNE 1941=100

PER CENT

PER CENT

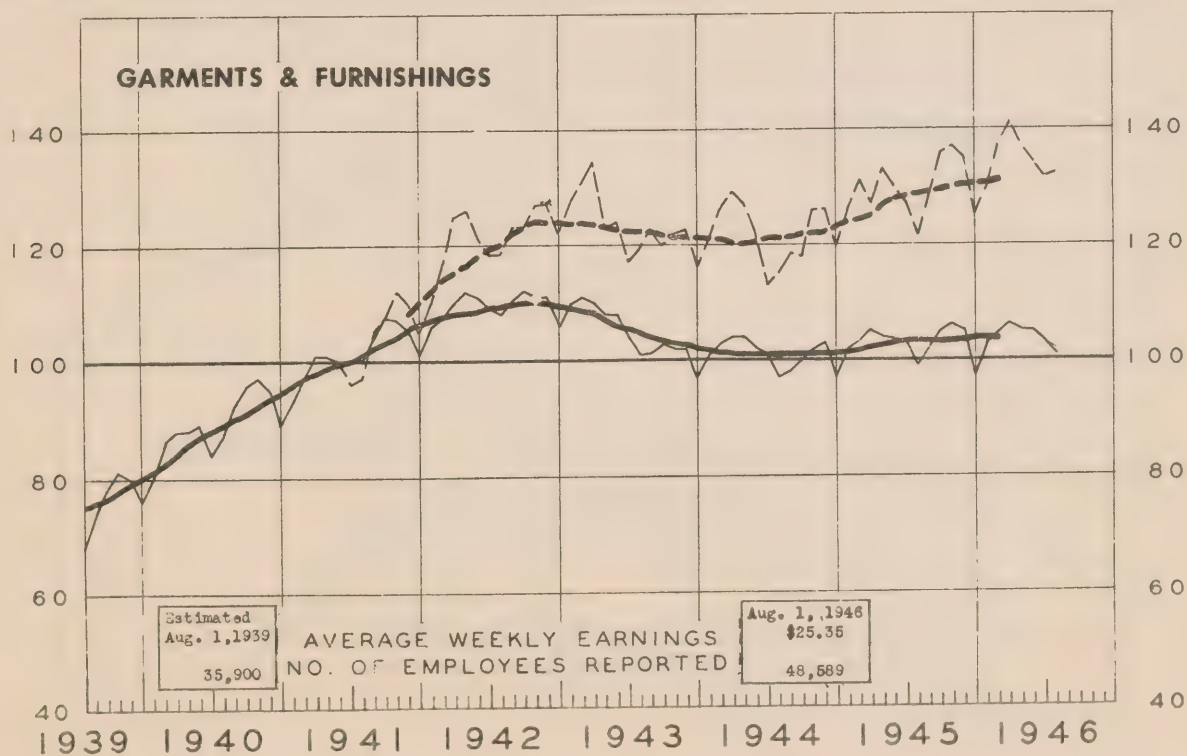
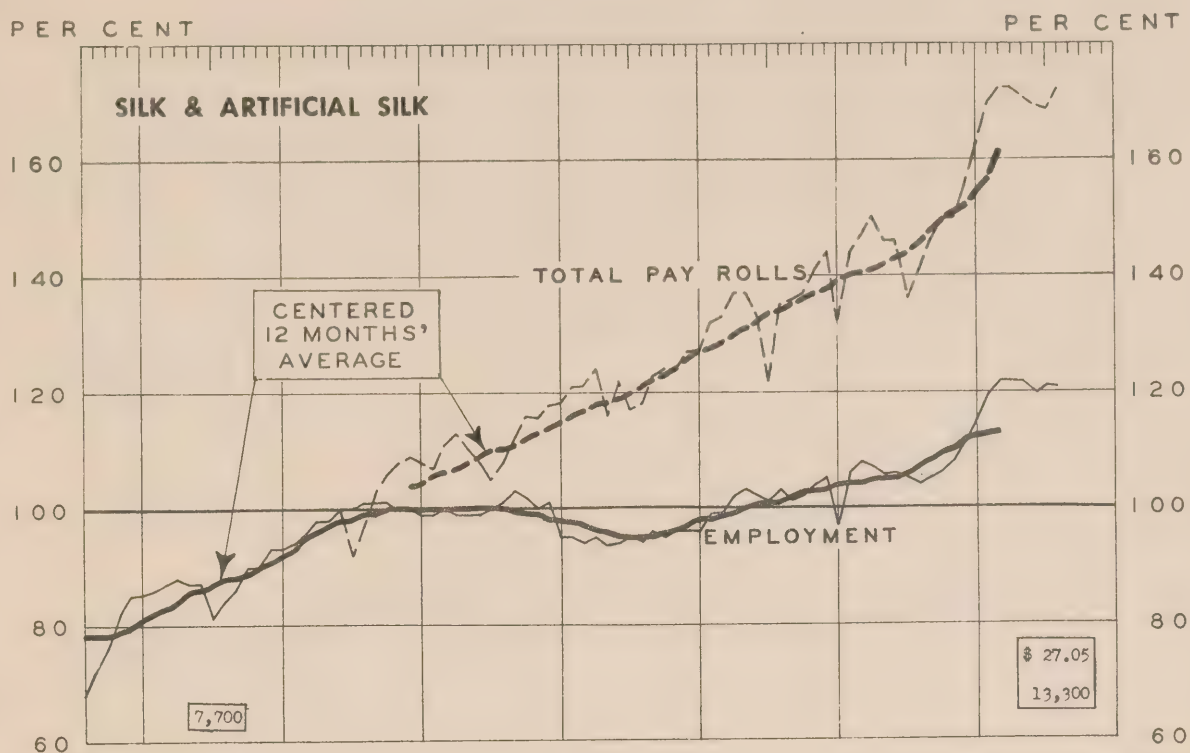


\* STRIKE



# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING TEXTILES

JUNE 1941 = 100

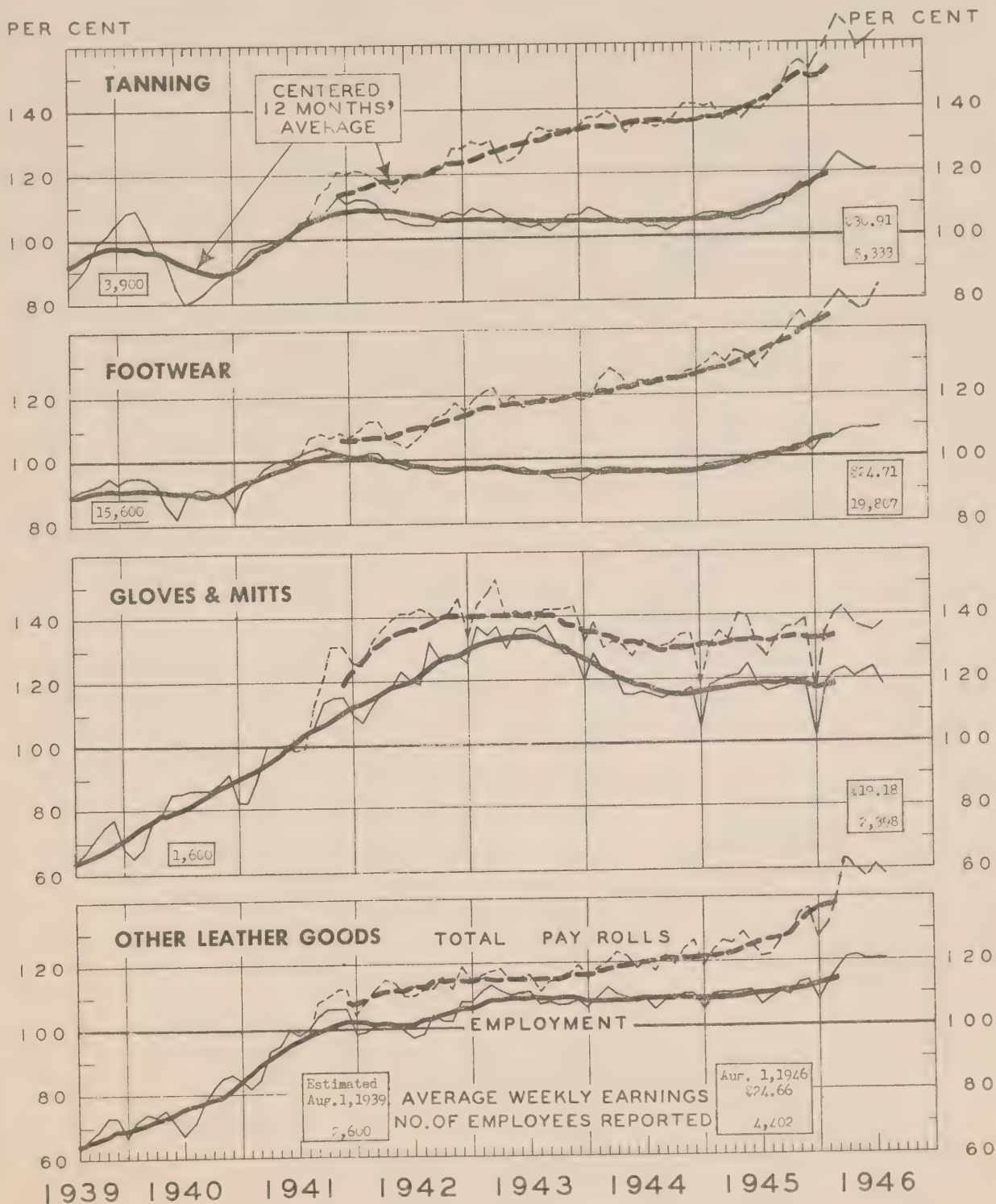






# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING LEATHER

JUNE 1941=100





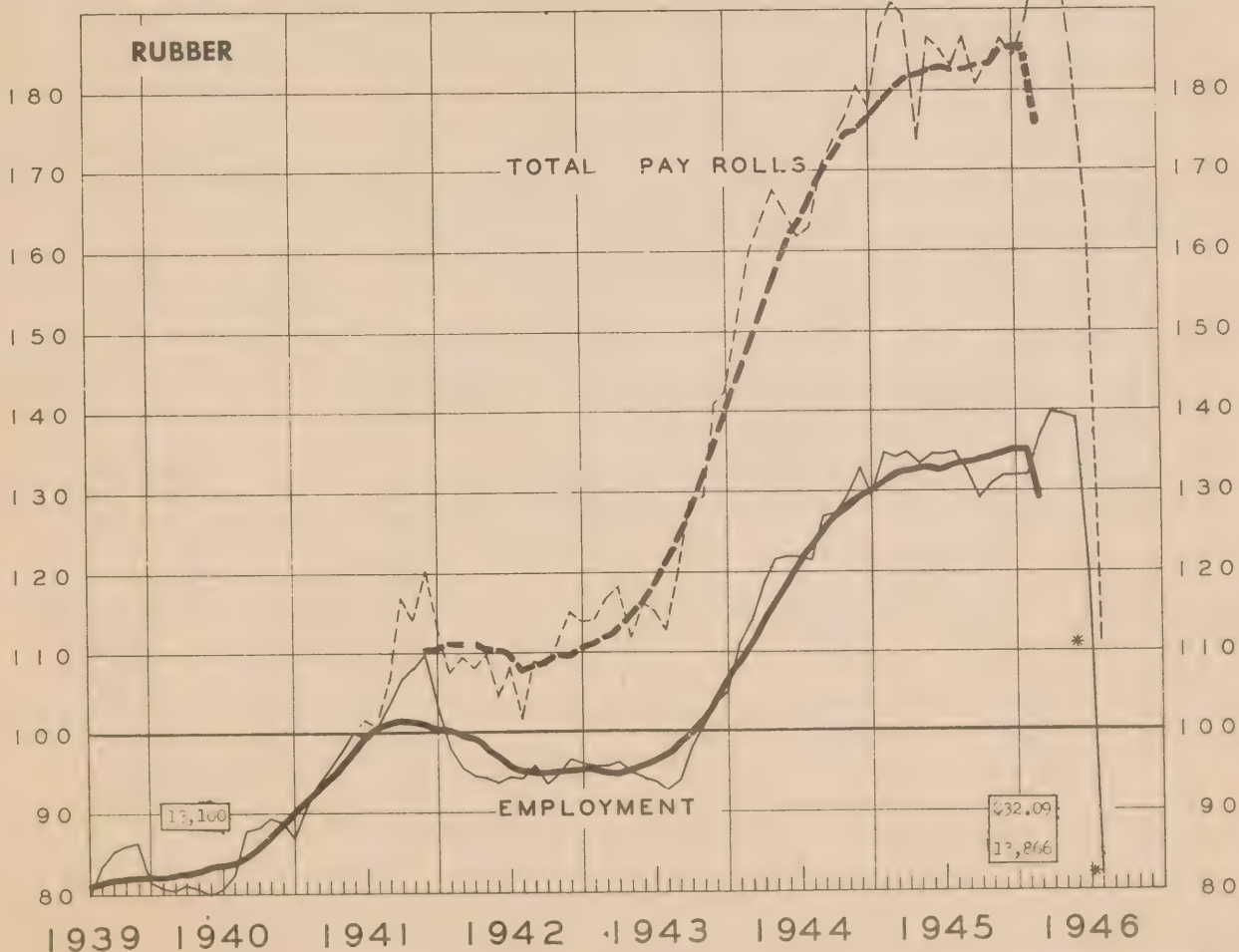
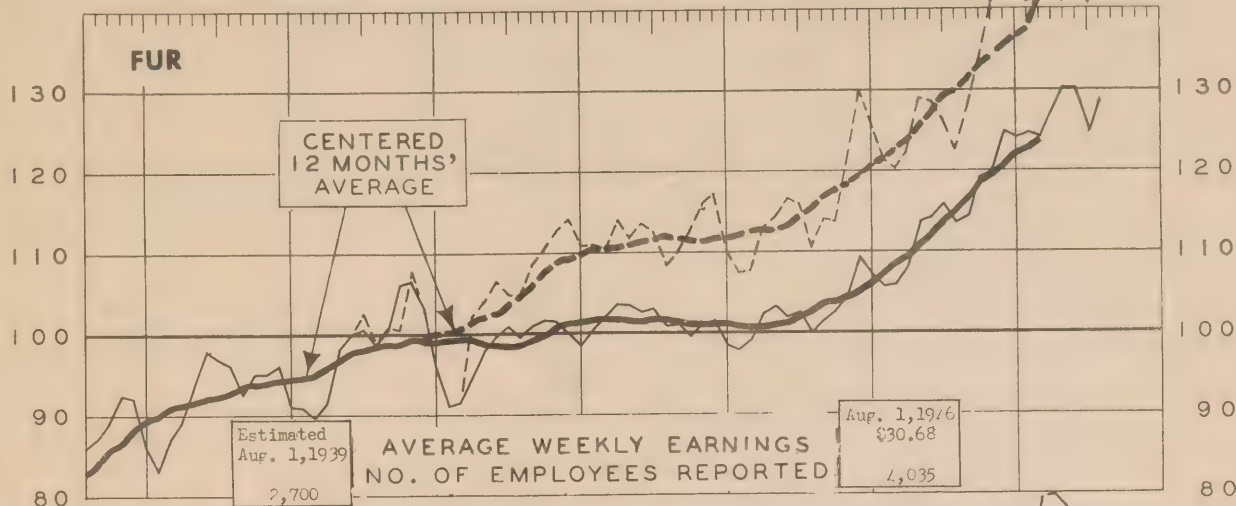
# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## FUR AND RUBBER

JUNE 1941=100

PER CENT

PER CENT



\* RUBBER STRIKE





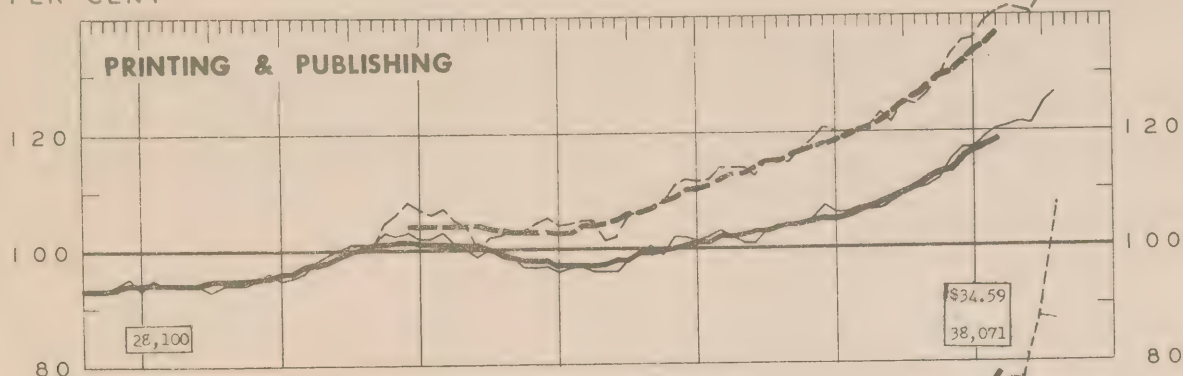
# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING PAPER

JUNE 1941=100

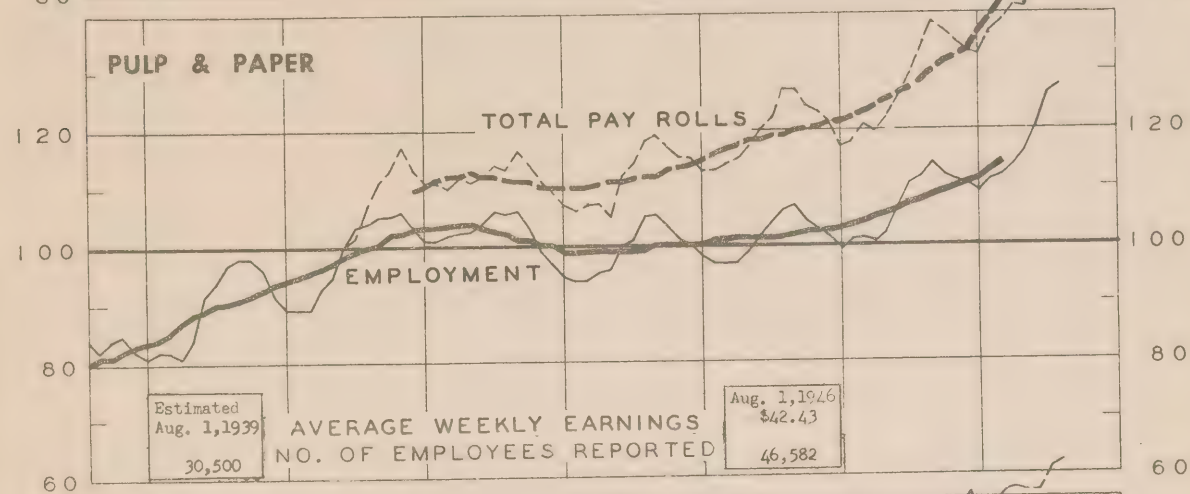
PER CENT

PER CENT

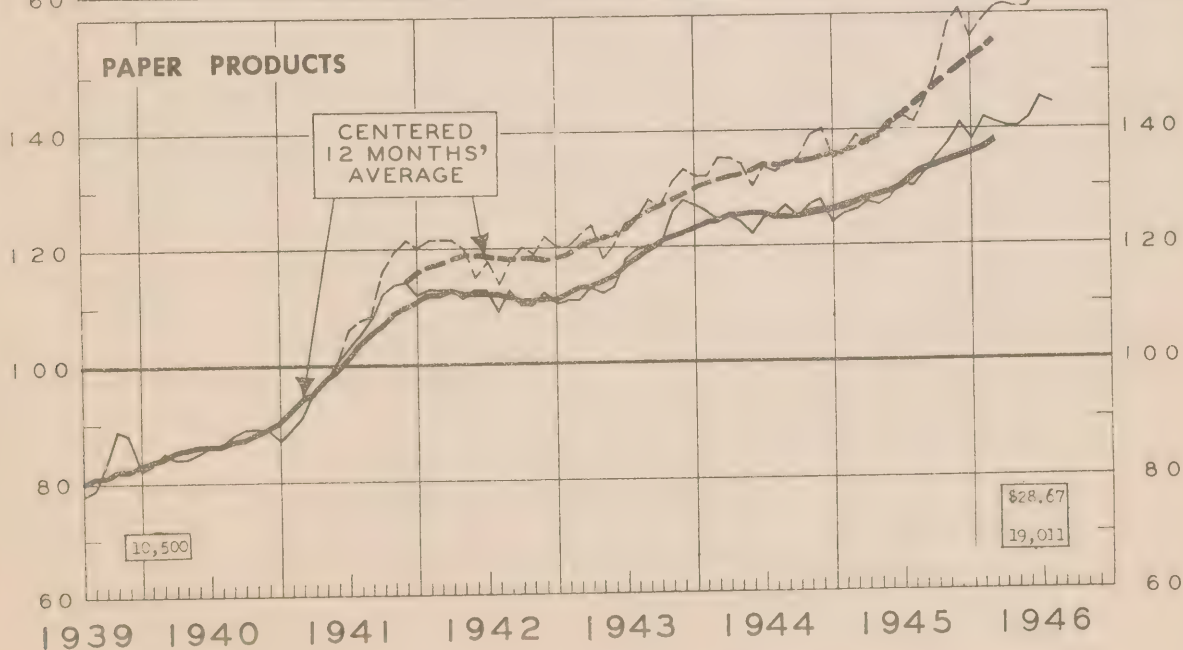
## PRINTING & PUBLISHING



## PULP & PAPER



## PAPER PRODUCTS



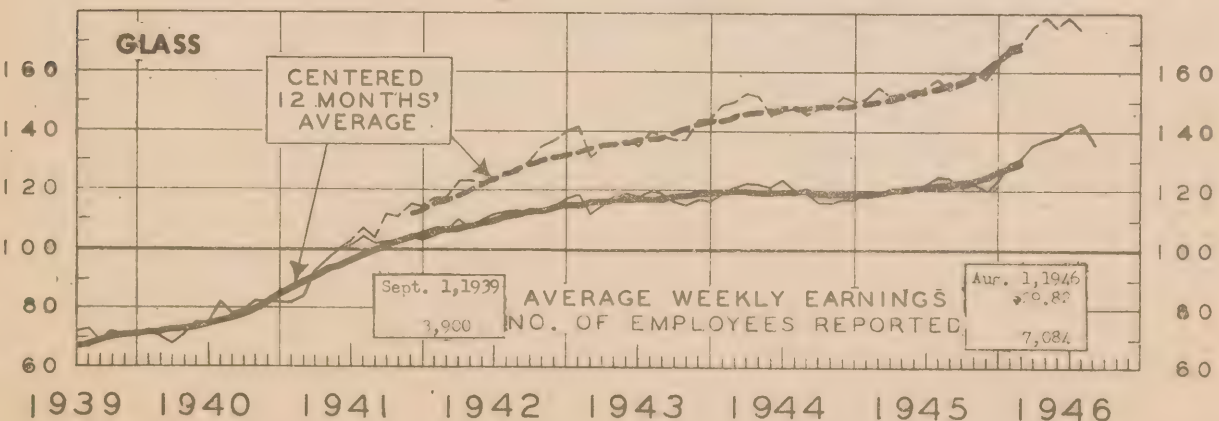
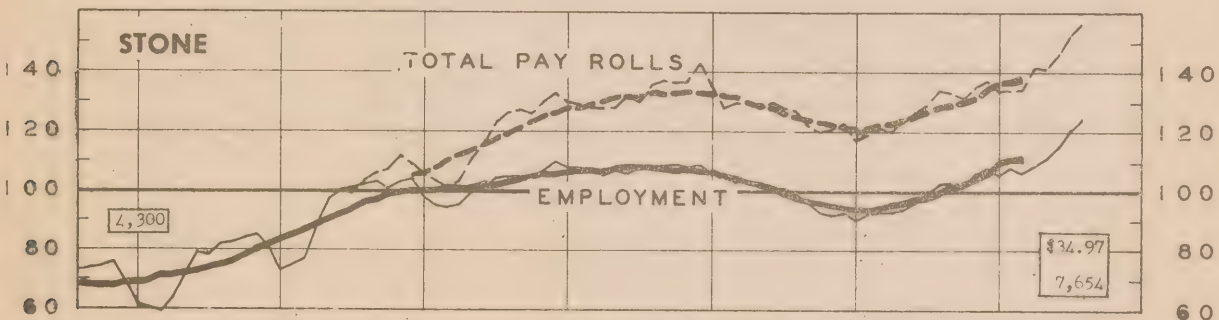
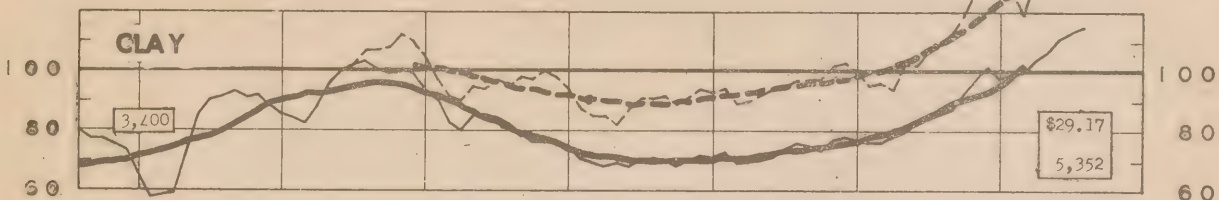
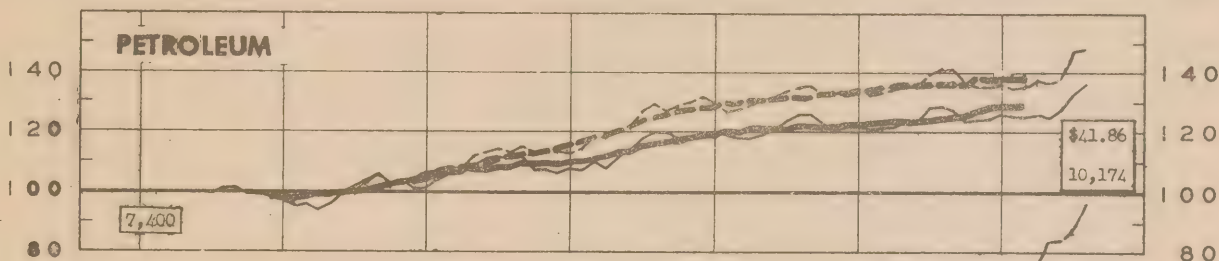
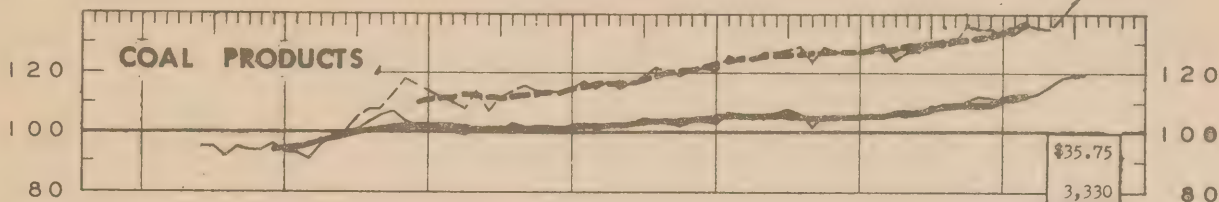


# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING NON-METALLIC MINERALS

JUNE 1941=100

PER CENT

PER CENT







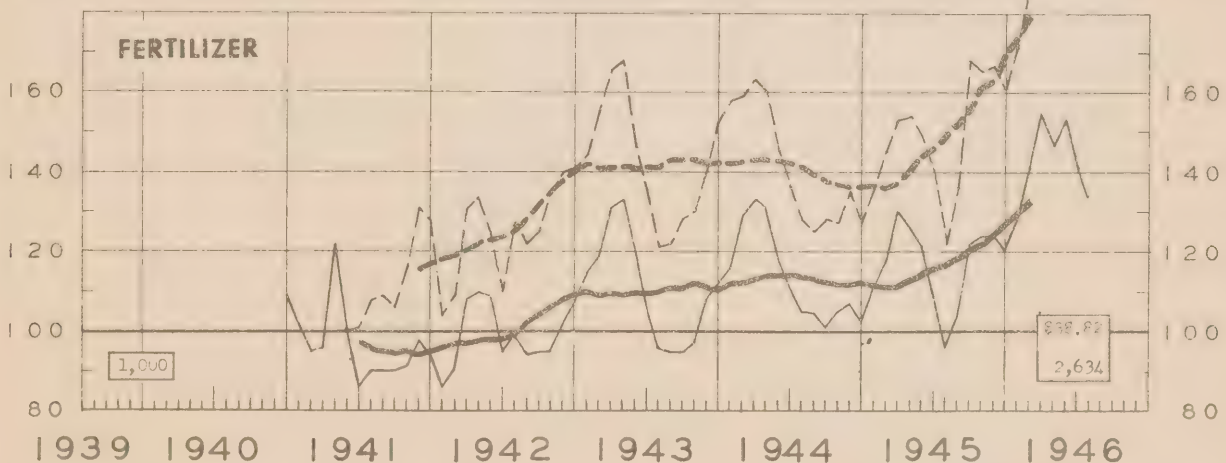
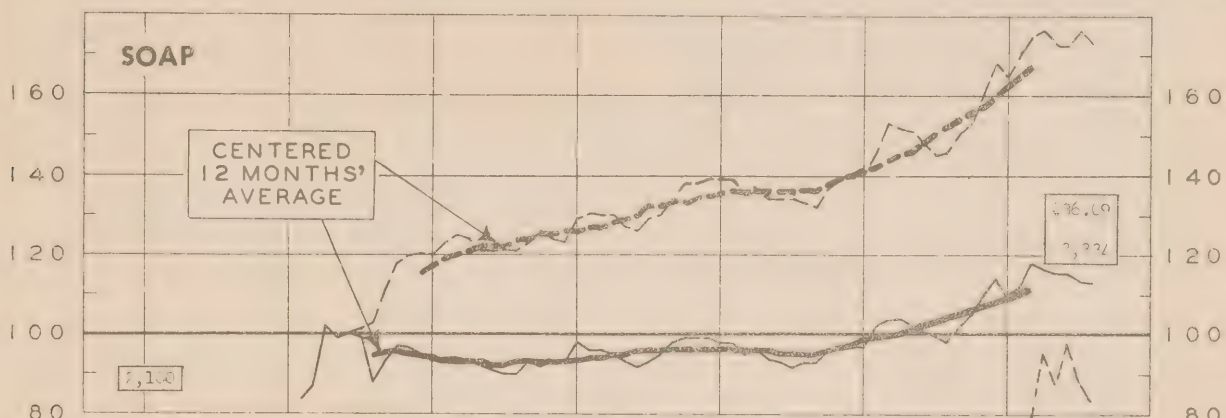
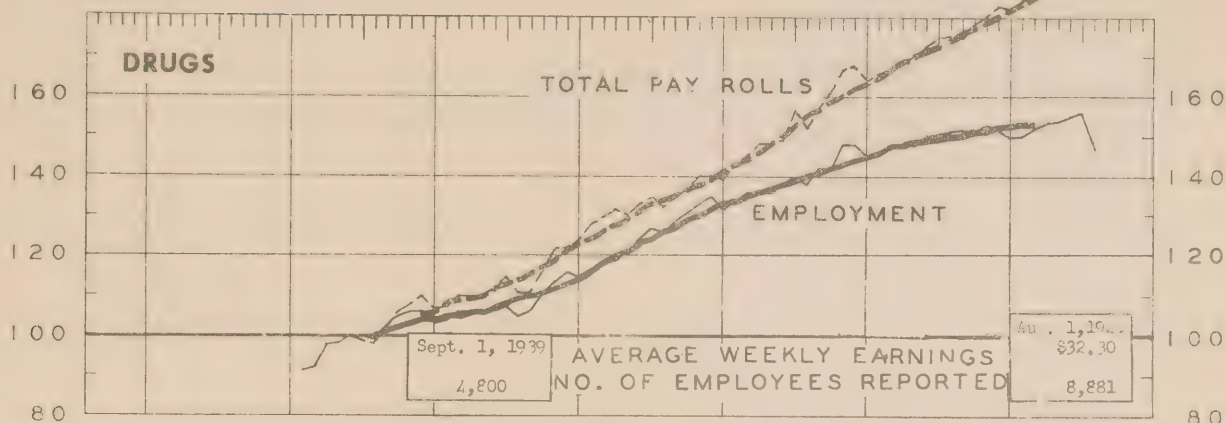
# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## CHEMICALS I

JUNE 1941=100

PER CENT

PER CENT



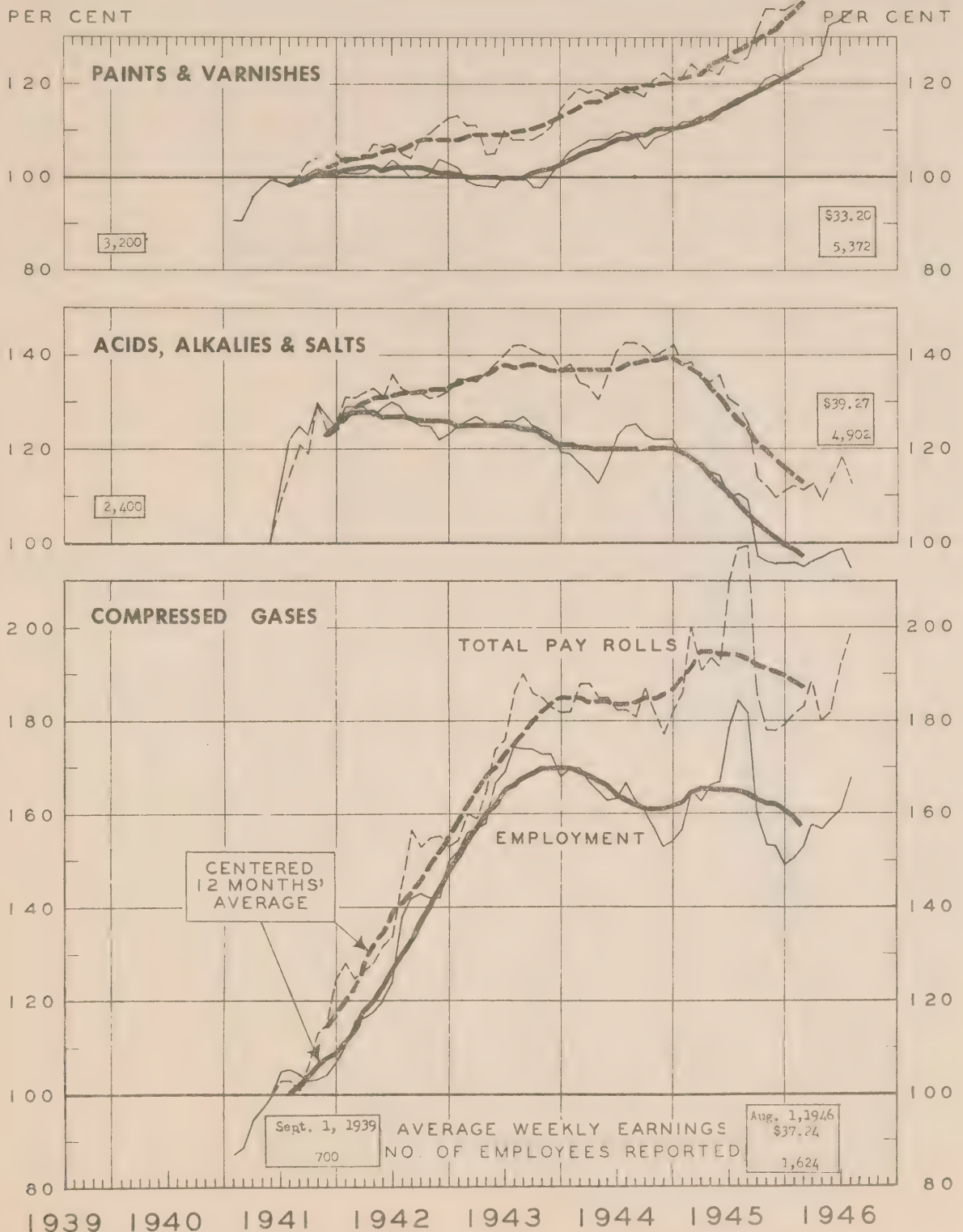




# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## CHEMICALS □

JUNE 1941 = 100





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING EXPLOSIVES

JUNE 1941=100

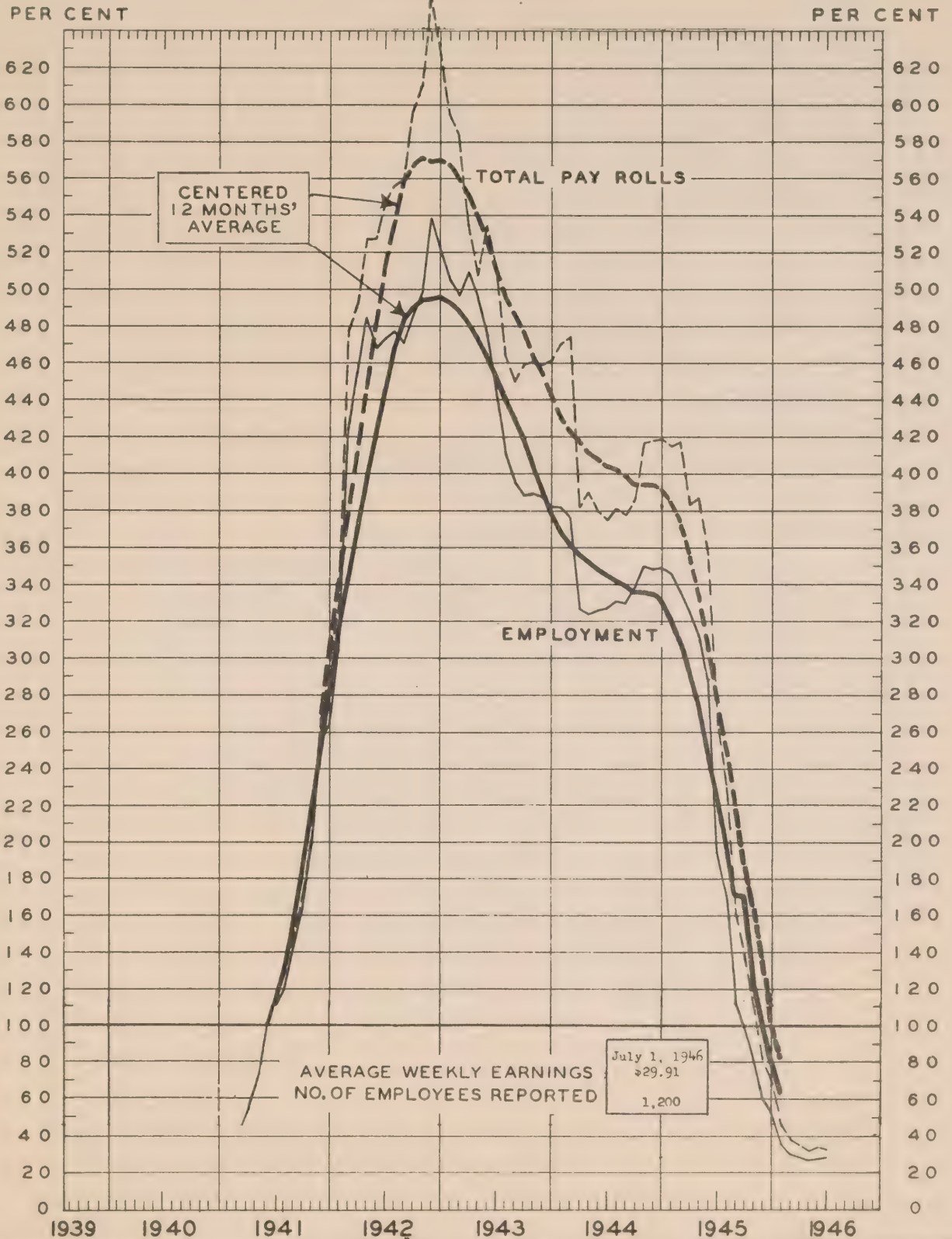






# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING AMMUNITION

JUNE 1941=100



ORIGINAL DATA: D.B.S.

SEPTEMBER

ECONOMIC RESEARCH BRANCH, D.R. & S. N O. B - 40  
FORMERLY PREPARED BY: RESEARCH DIVISION, W.P.T.B.



SECTION II    MANUFACTURING INDUSTRIES

Chart No.

C.    MINOR GROUPS

2.    Durable Goods

Lumber & Its Products	B-25
Clay, Glass & Stone	B-26
Primary Metals	B-29 & 30
Iron & Its Products	B-31 - 34
	B-36 - 39

THE UNIVERSITY OF CHICAGO

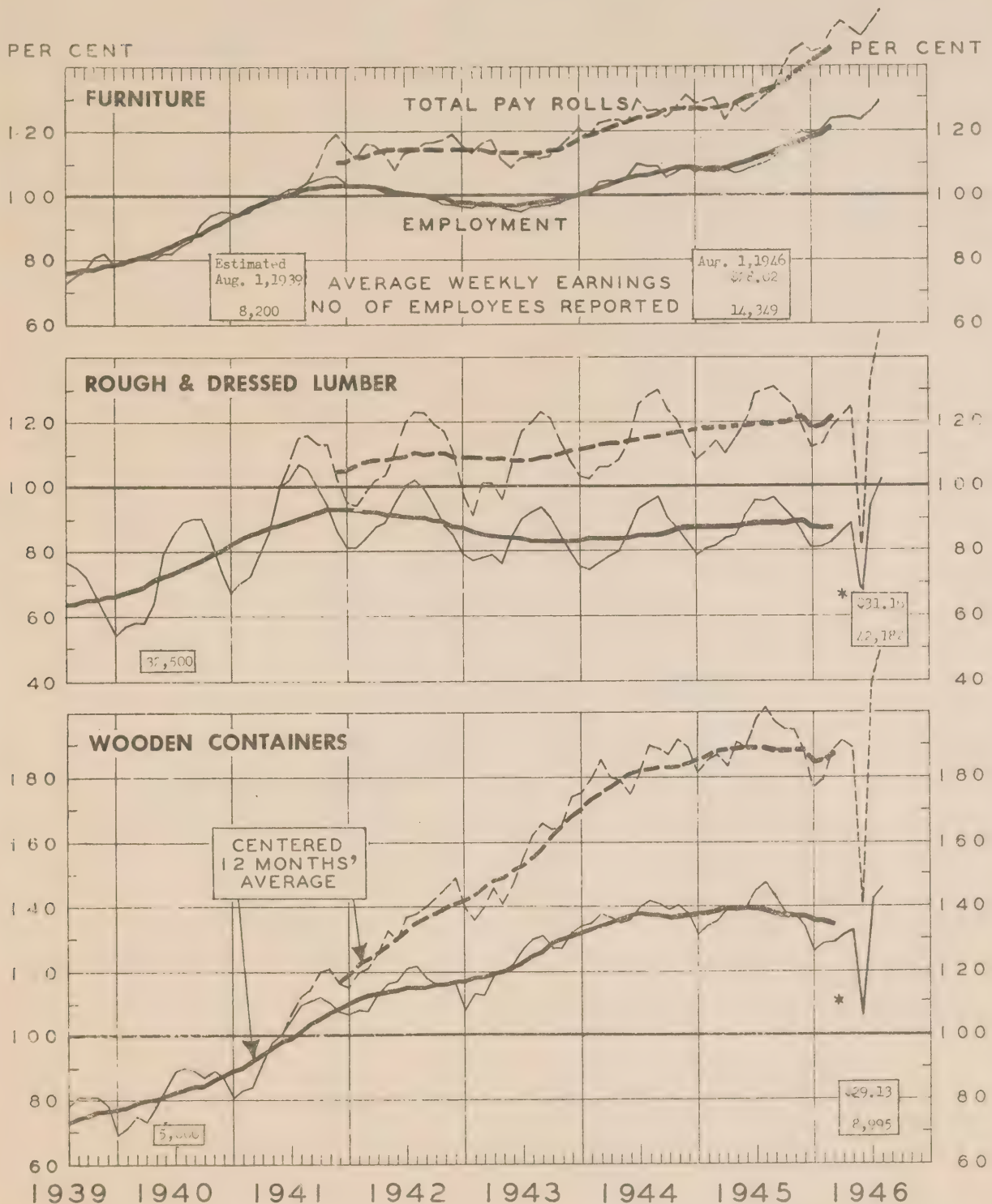
1954

CHICAGO, ILLINOIS

TO THE PRESIDENT OF THE UNIVERSITY OF CHICAGO  
FROM THE DEAN OF THE FACULTY  
SUBJECT: [illegible]  
[illegible]  
[illegible]

# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING WOOD

JUNE 1941=100



\* LUMBER STRIKE IN B.C.

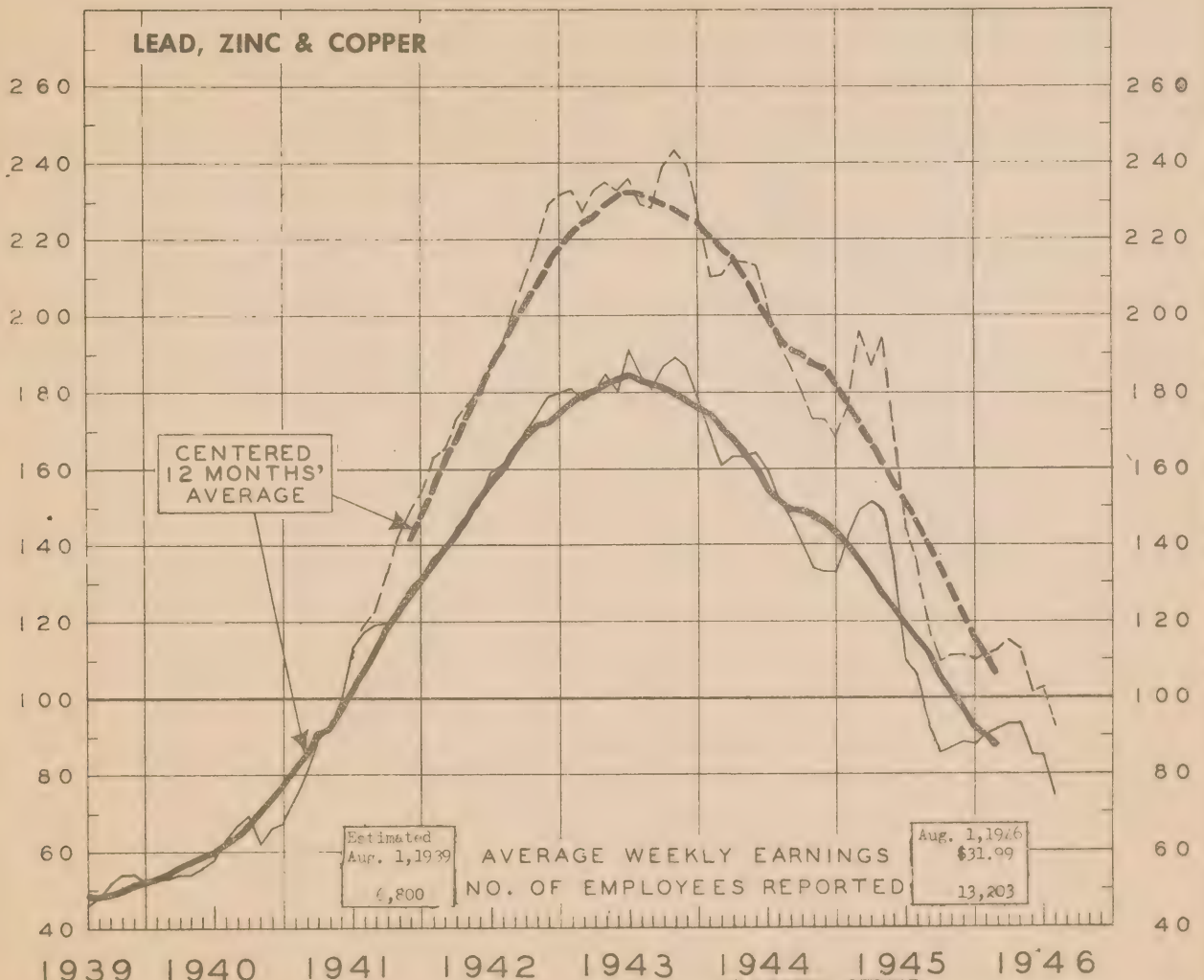
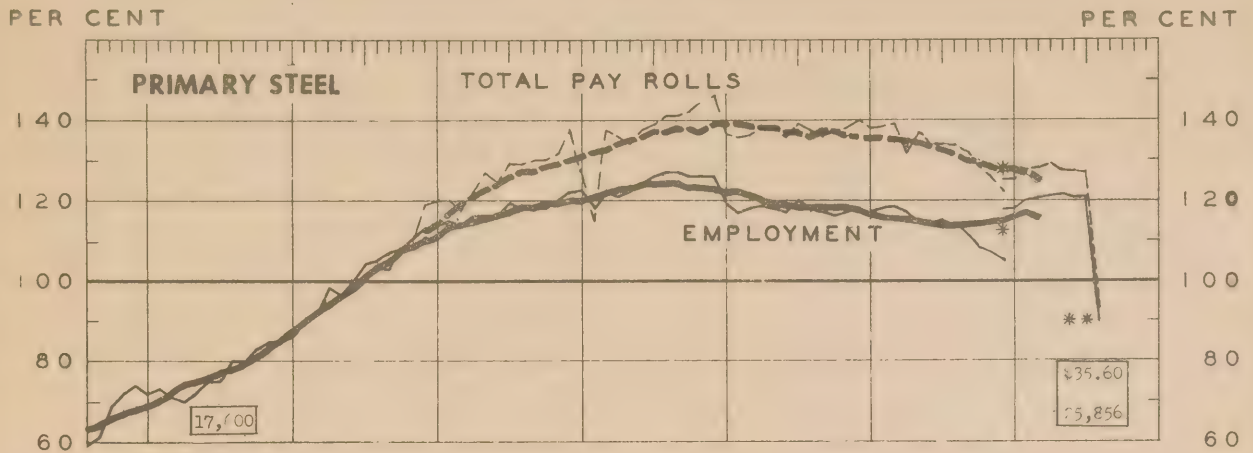




# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## PRIMARY METALS I

JUNE 1941 = 100

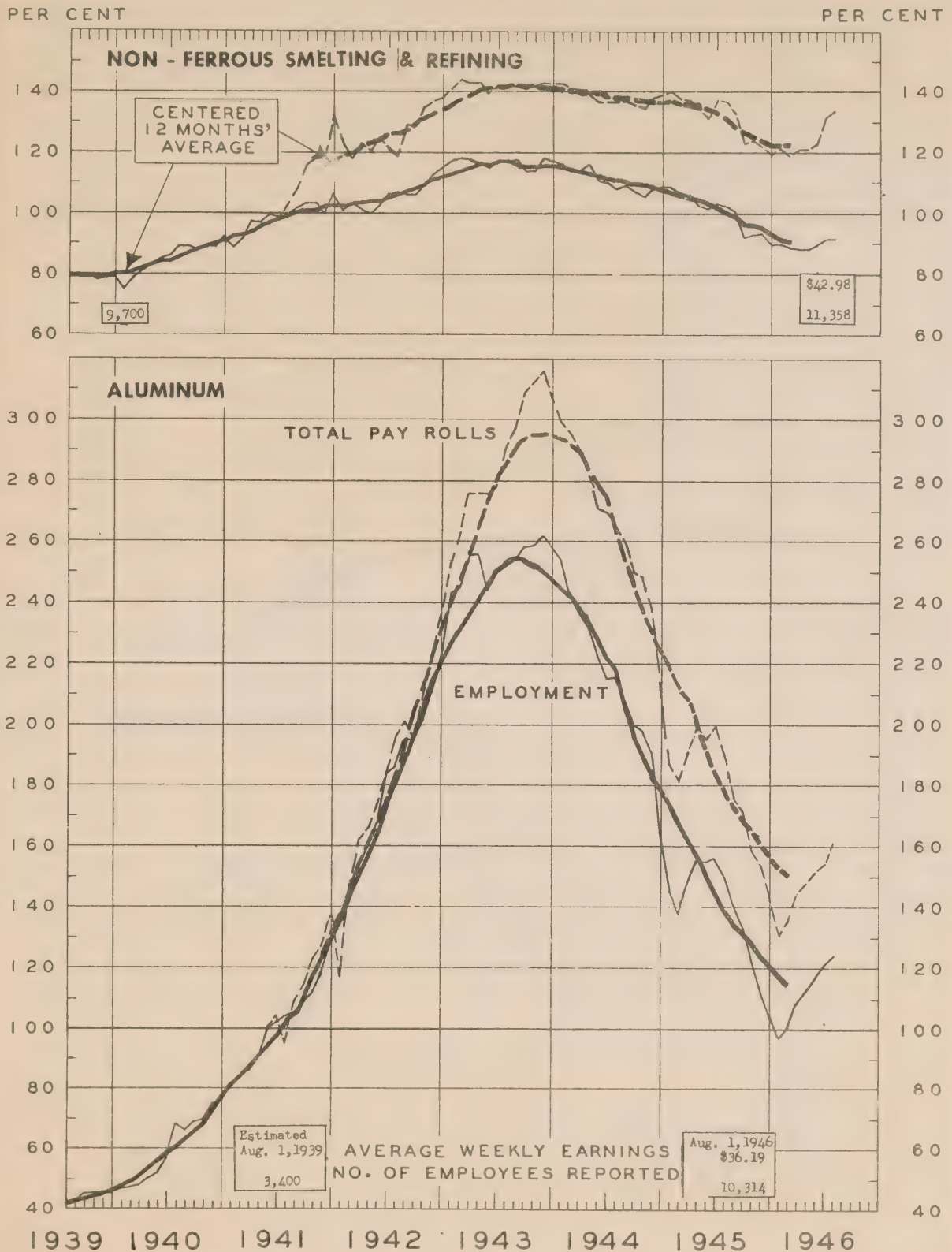


\*\* STEEL STRIKE  
\* RECLASSIFICATION OF CERTAIN FIRMS



# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING PRIMARY METALS II

JUNE 1941=100

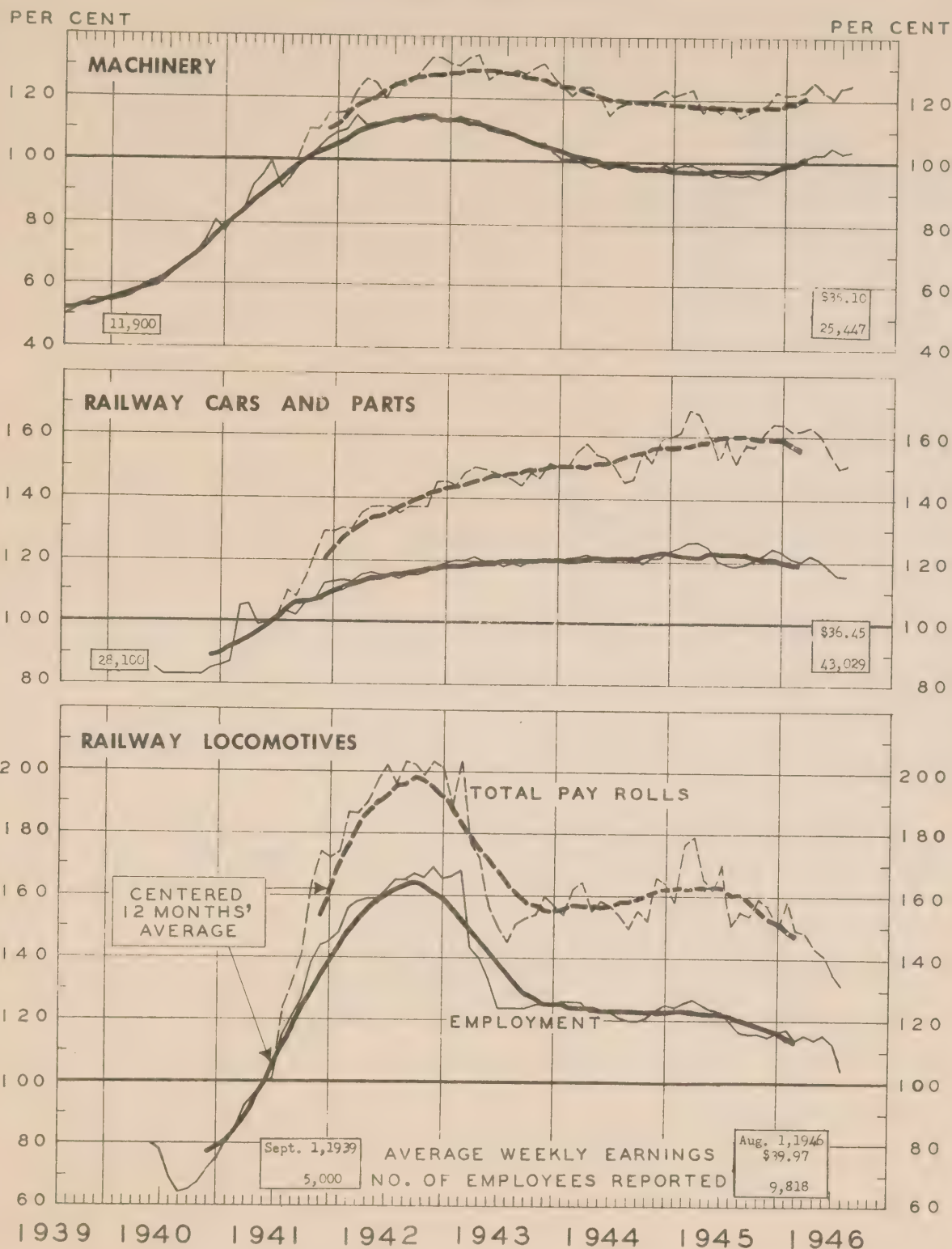






# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING IRON & STEEL I

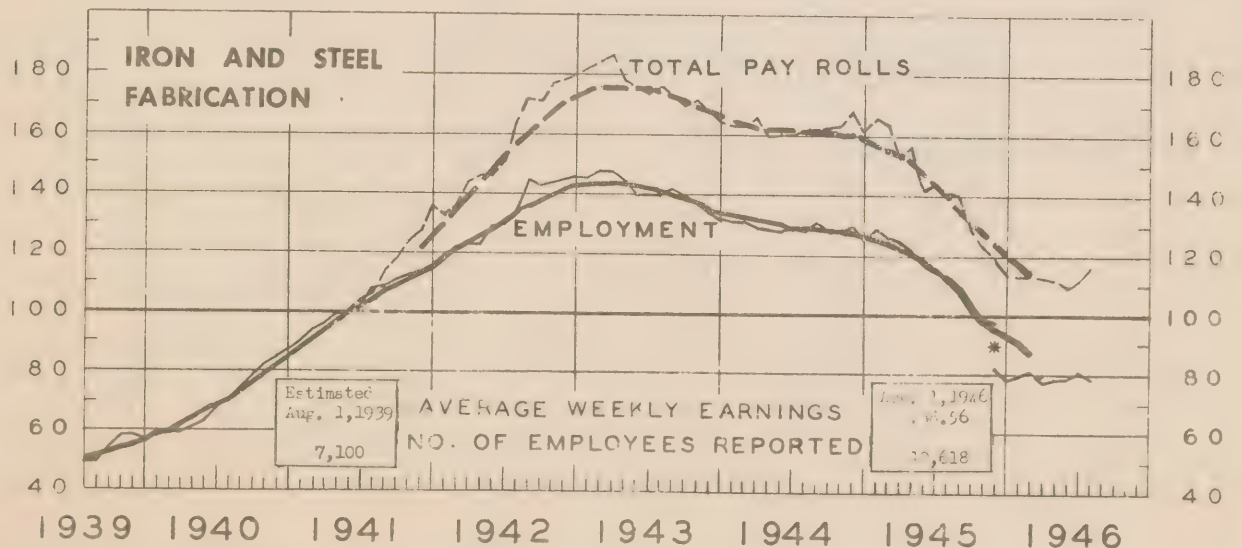
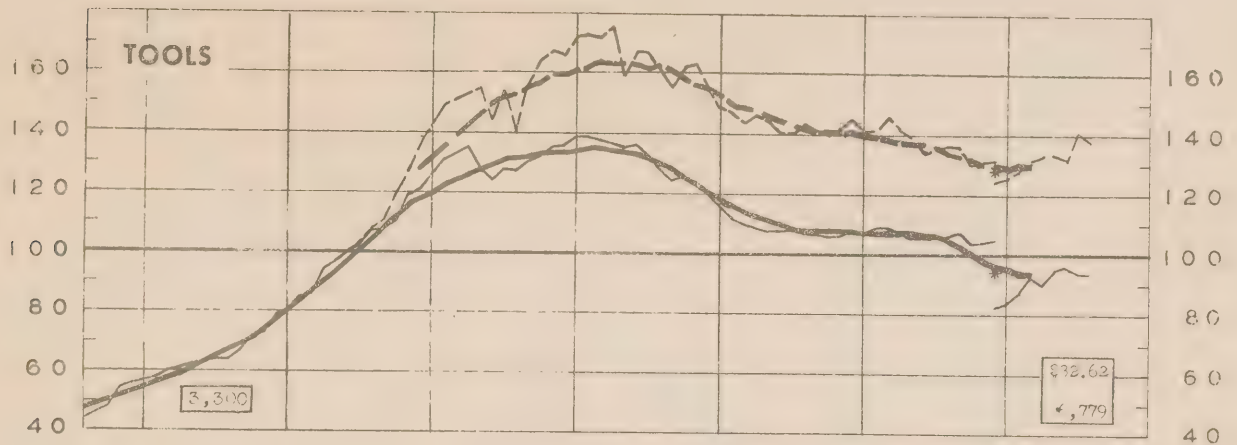
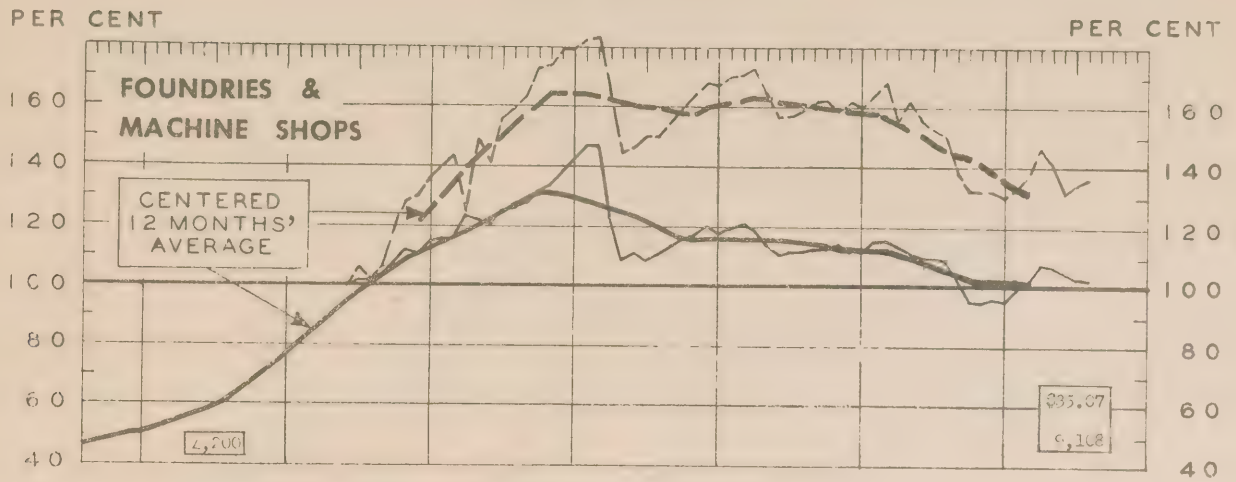
JUNE 1941=100





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING IRON & STEEL II

JUNE 1941=100



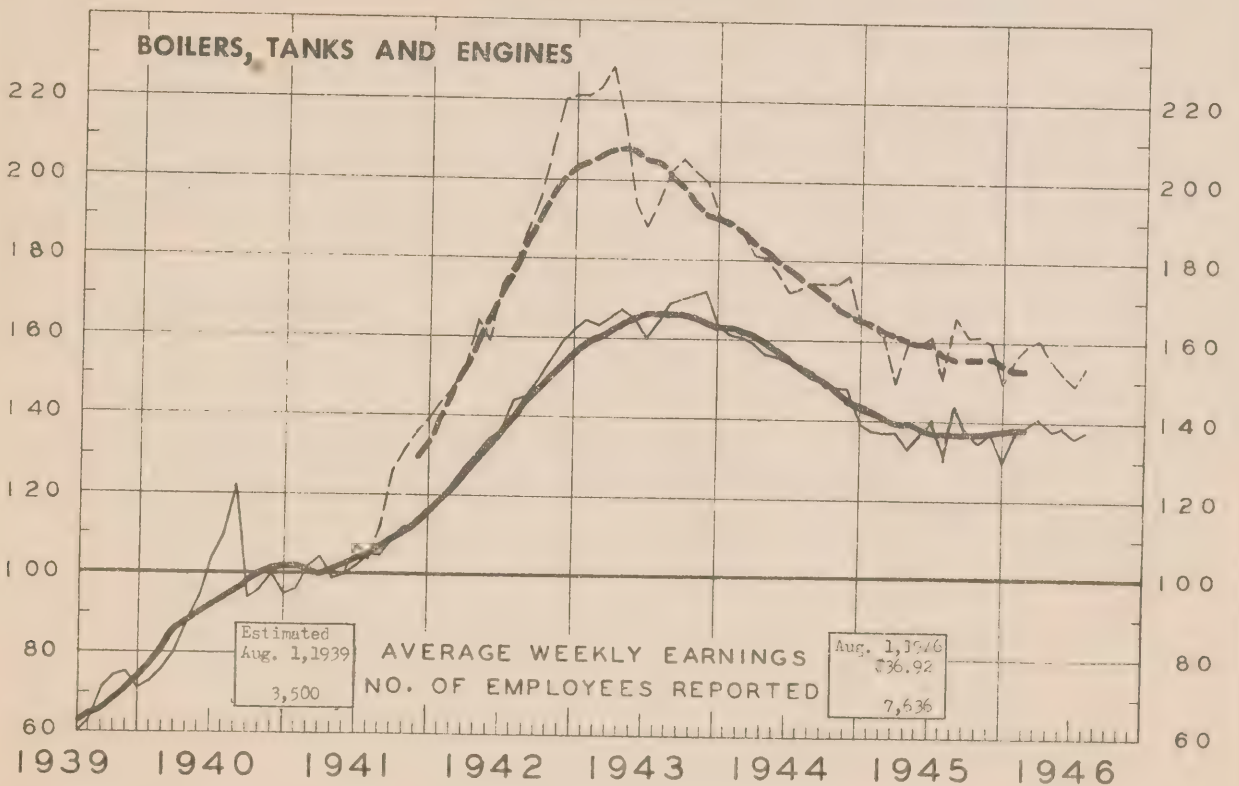
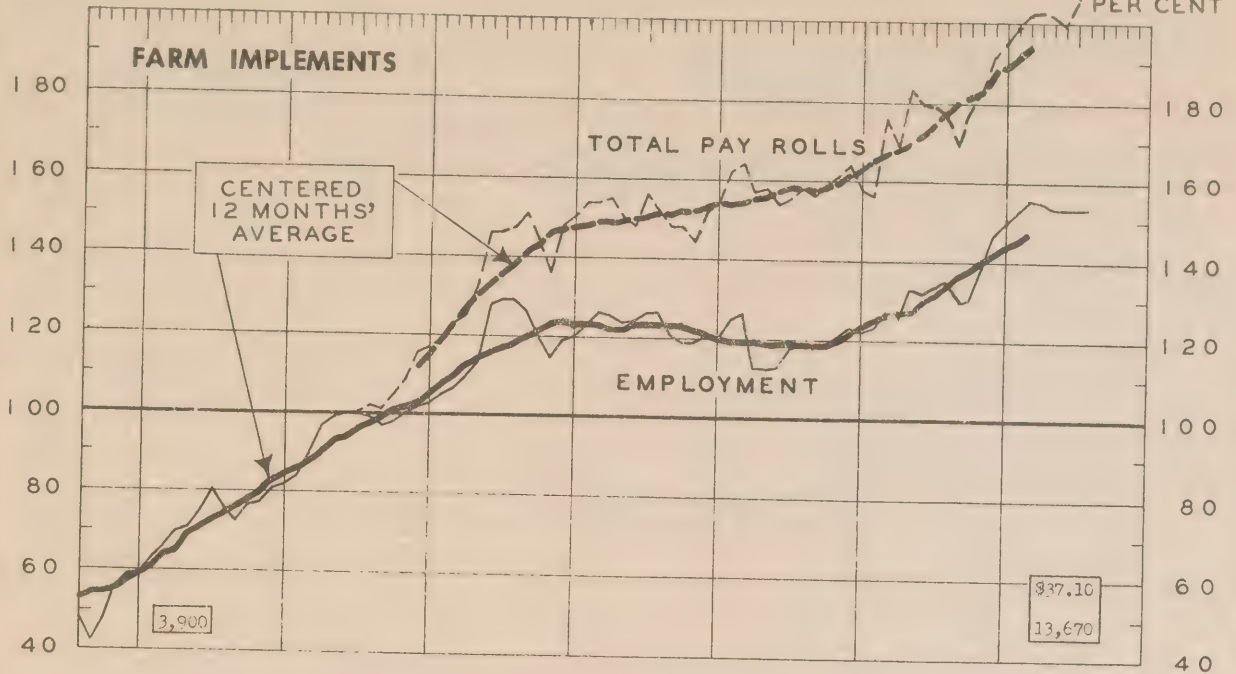
\* RECLASSIFICATION FOR CERTAIN FIRMS



# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING IRON AND STEEL III

JUNE 1941=100

PER CENT







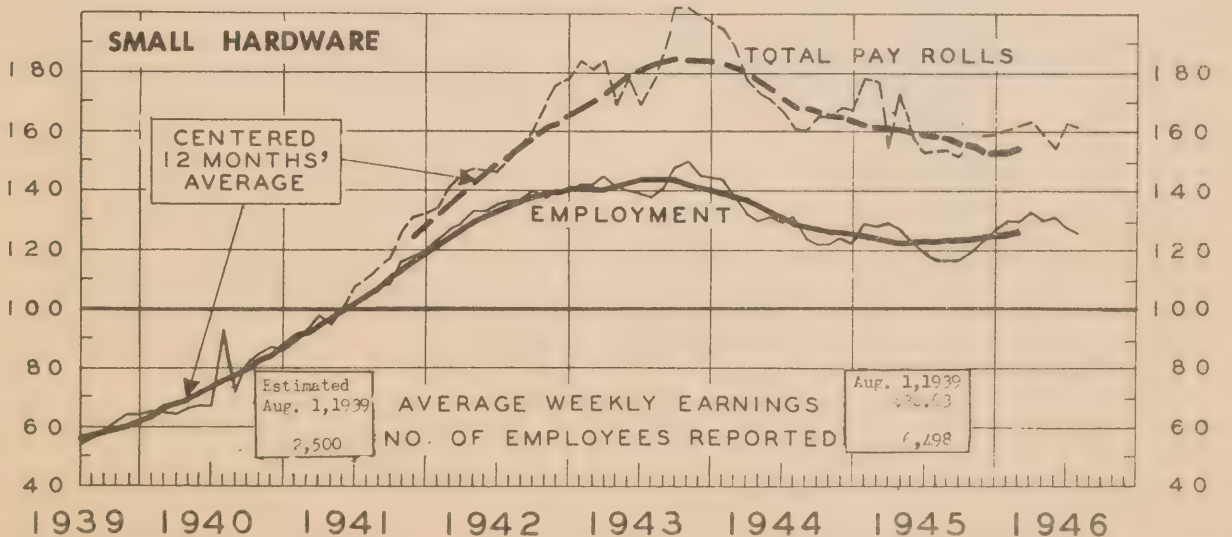
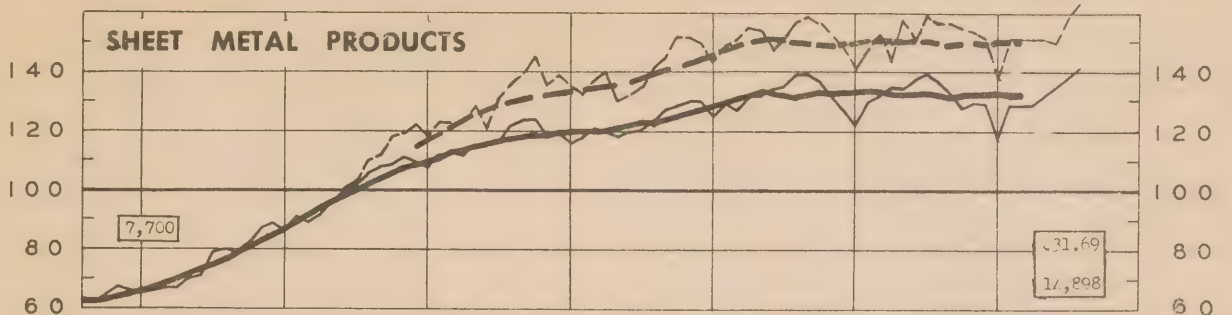
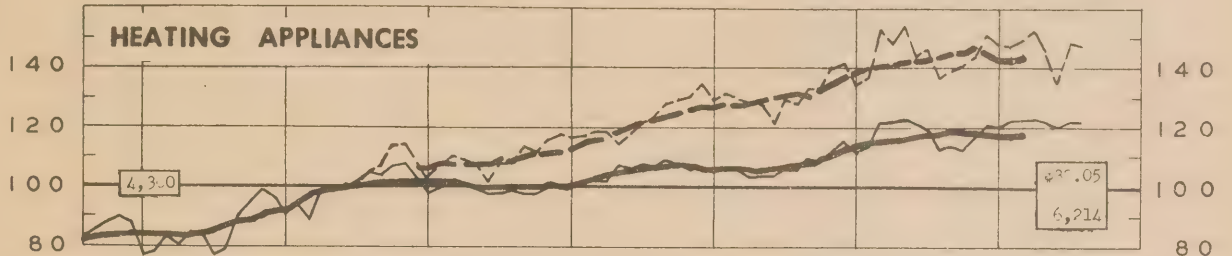
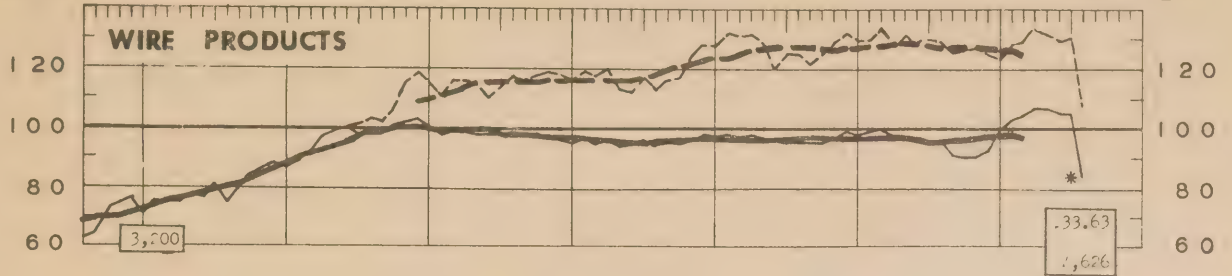
# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

## IRON & STEEL IV

JUNE 1941=100

PER CENT

PER CENT



\* STRIKE

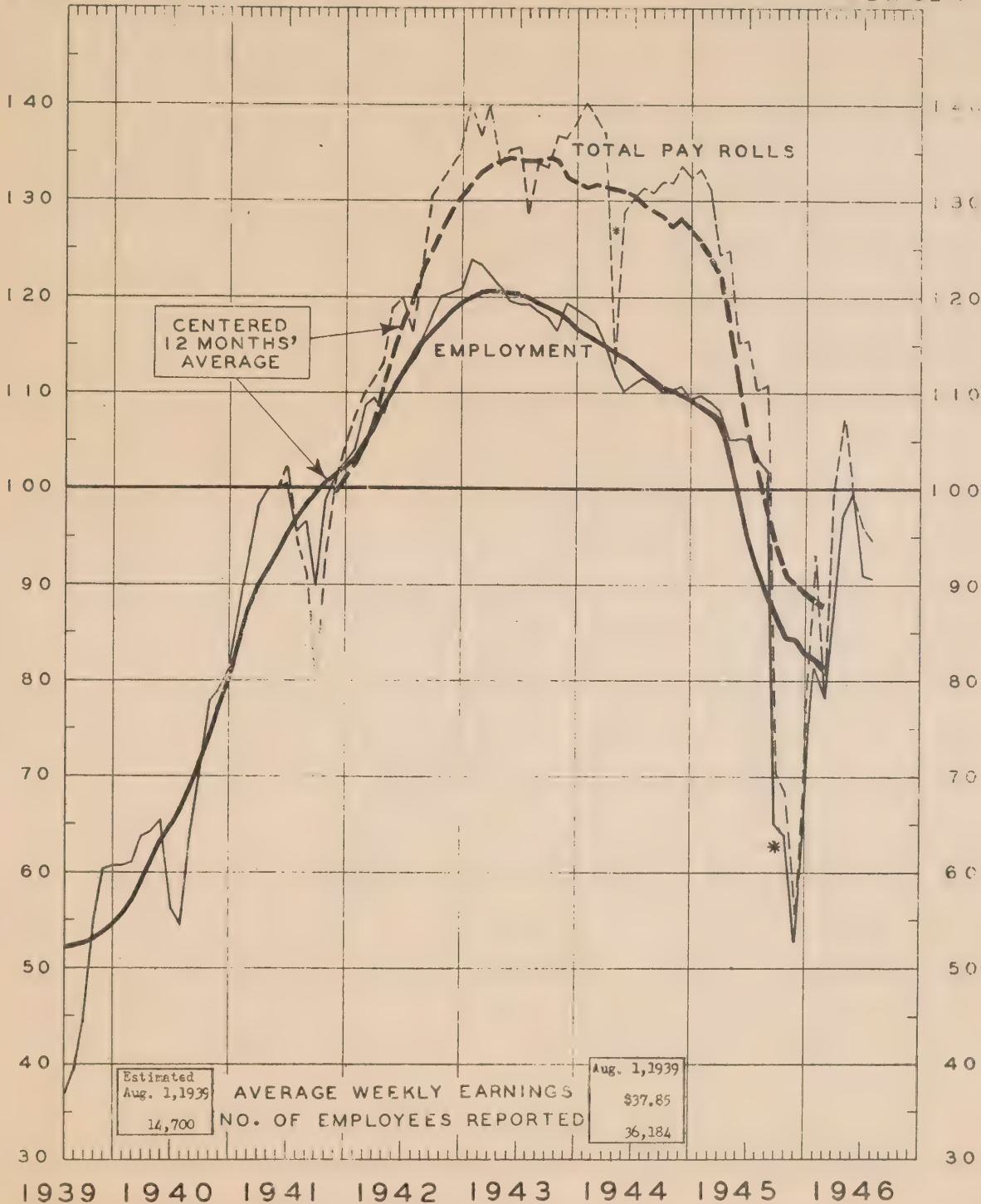


# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING AUTOMOBILES

JUNE 1941=100

PER CENT

PER CENT



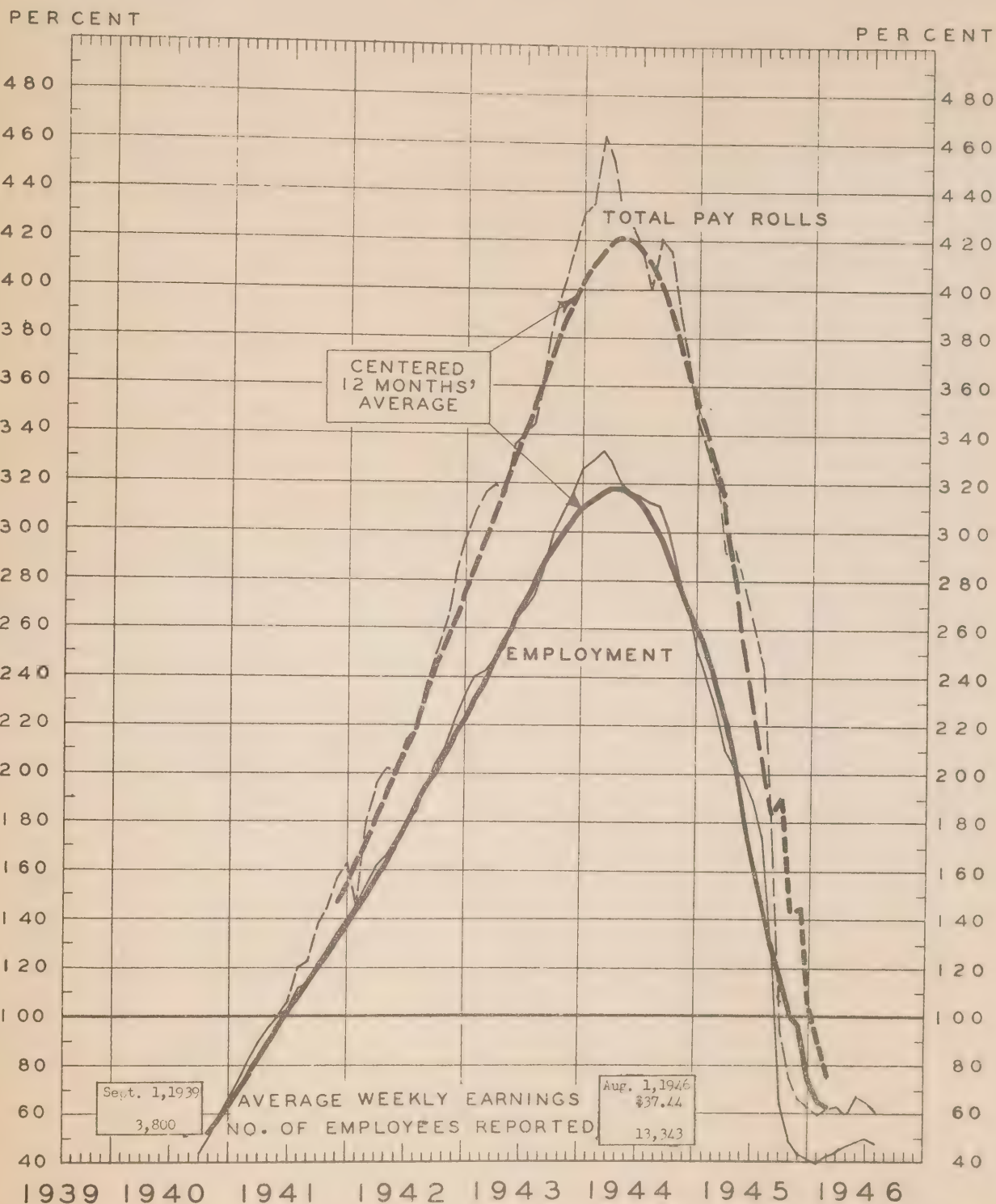
\* STRIKE





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING AIRPLANES

JUNE 1941=100



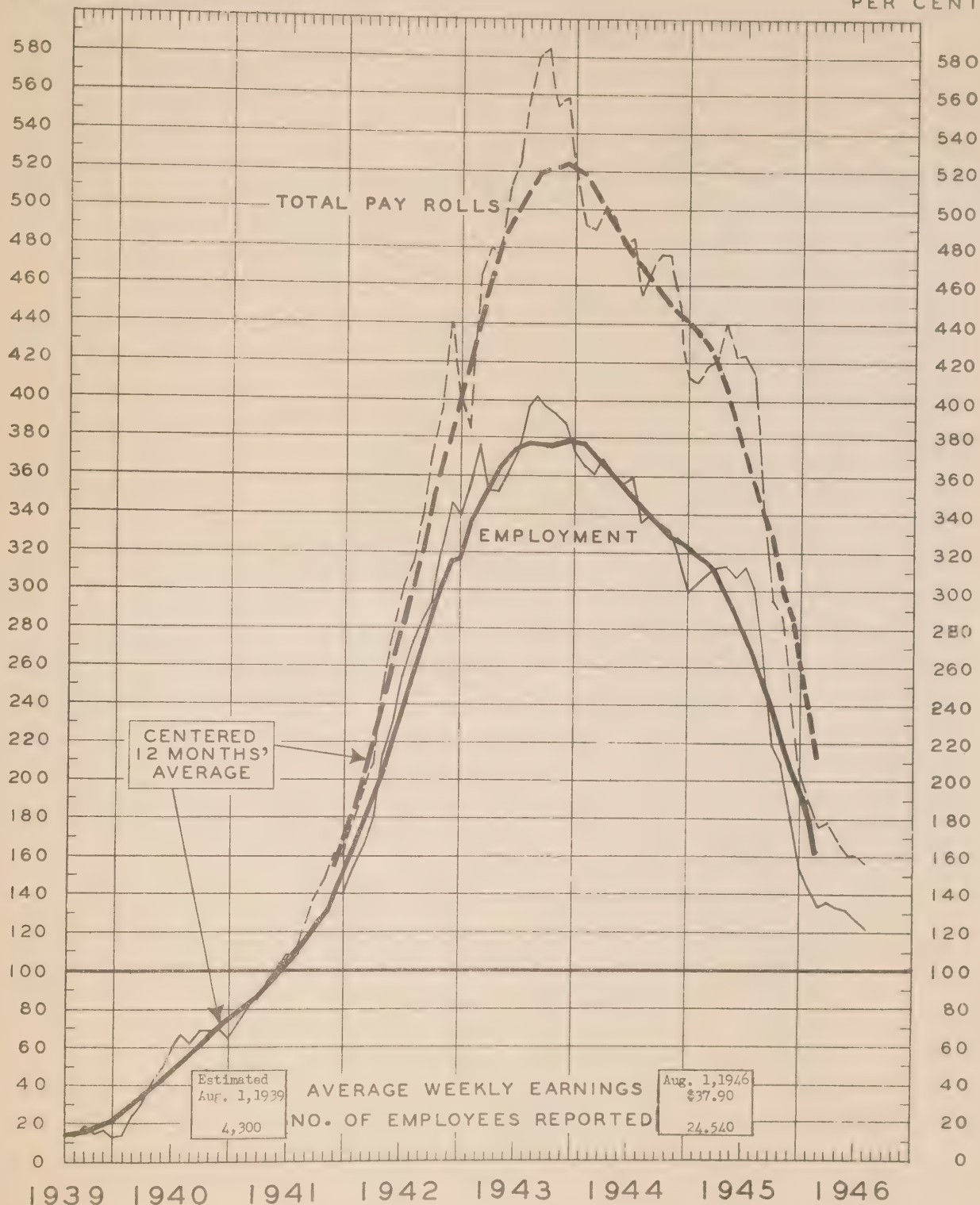


# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING SHIPBUILDING

JUNE 1941 = 100

PER CENT

PER CENT

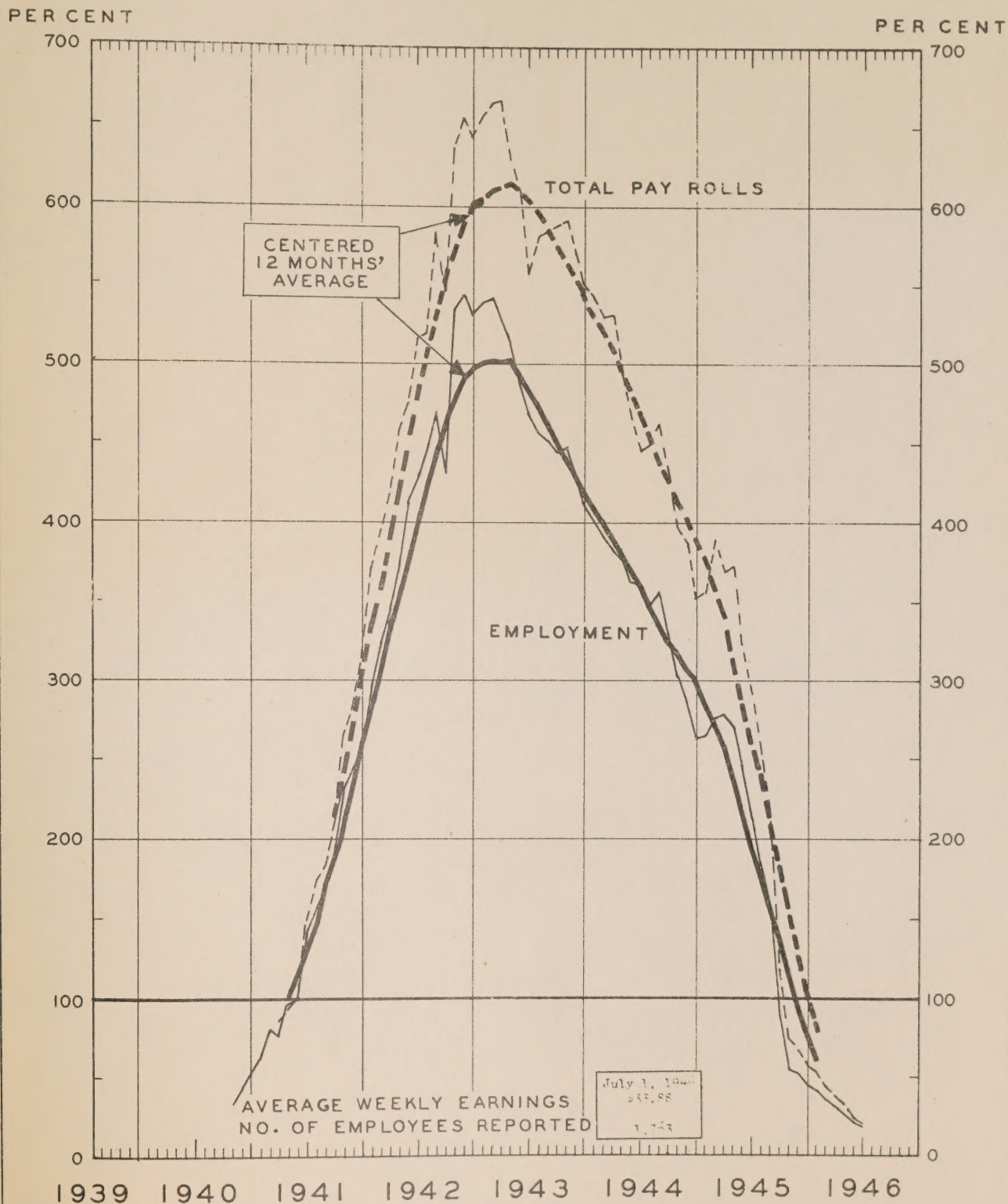






# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING FIREARMS

JUNE 1941=100





# EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

FIREARMS

1939-1947



UNITED STATES GOVERNMENT  
BUREAU OF LABOR STATISTICS





